

## Plant biomass and fruit quality response of greenhouse tomato under varying irrigation level and water quality

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**Supplementary Table 1.** Output of the two-way ANOVA for FFW and PBC under three water qualities (W), four irrigation scenarios (I) and their interactions (W × I).

Particular	Year	Source	Df	SS	MS	F	P
<b>FFW</b>	2017-2018	W	2	41.01	20.50	40.07	0.00
		I	3	2801.58	933.86	1825.13	0.00
		W × I	6	72.11	12.02	23.49	0.00
	2018-2019	W	2	12.44	6.22	17.62	0.00
		I	3	2277.75	759.25	2150.51	0.00
		W × I	6	53.11	8.85	25.07	0.00
<b>PBC</b>	2017-2018	W	2	0.12	0.06	3.52	0.04
		I	3	10.34	3.45	202.13	0.00
		W × I	6	0.08	0.01	0.82	0.57
	2018-2019	W	2	0.09	0.05	3.45	0.04
		I	3	11.98	3.99	299.32	0.00
		W × I	6	0.10	0.02	1.22	0.33

Note: Df= Degree of freedom; SS= Sum of squares; MS= Mean square; F= F-value; P= P-value

**Supplementary Table 2.** Output of the two-way ANOVA for TSS under three water qualities (W), four irrigation scenarios (I) and their interactions (W × I)

Particular	Year	Source	Df	SS	MS	F	P
<b>Total soluble solid</b>	2017-2018	W	2	0.06	0.03	1.79	0.19
		I	3	2.66	0.89	55.68	0.00
		W × I	6	0.24	0.04	2.56	0.04
	2018-2019	W	2	0.03	0.01	3.12	0.06
		I	3	2.87	0.96	210.39	0.00
		W × I	6	0.19	0.03	7.08	0.00

Note: Df= Degree of freedom; SS= Sum of squares; MS= Mean square; F= F-value; P= P-value.

**Supplementary Table 3.** Output of the two-way ANOVA for FF under three water qualities (W), four irrigation scenarios (I) and their interactions (W × I).

Particular	Year	Source	Df	SS	MS	F	P
<b>Fruit firmness</b>	2017-2018	W	2	0.00	0.00	1.00	0.38
		I	3	2.52	0.84	431.29	0.00
		W × I	6	0.03	0.01	2.71	0.04
	2018-2019	W	2	0.02	0.01	1.64	0.21
		I	3	1.73	0.58	87.65	0.00
		W × I	6	0.10	0.02	2.60	0.04

Note: Df= Degree of freedom; SS= Sum of squares; MS= Mean square; F= F-value; P= P-value.

**Supplementary Table 4.** Output of the two-way ANOVA for fruit pH under three water qualities (W), four irrigation scenarios (I) and their interactions (W × I).

Particular	Year	Source	Df	SS	MS	F	P
<b>Fruit pH</b>	2017-2018	W	2	0.03	0.02	141.64	0.00
		I	3	0.06	0.02	169.26	0.00
		W × I	6	0.01	0.00	8.92	0.03
	2018-2019	W	2	0.01	0.00	22.58	0.00
		I	3	0.06	0.02	140.55	0.00
		W × I	6	0.00	0.00	1.03	0.04

Note: Df= Degree of freedom; SS= Sum of squares; MS= Mean square; F= F-value; P= P-value

**Supplementary Table 5.** Treatments in experimental design and their description.

No. of treatment	Treatment	Water source	Irrigation level	Scenario
1	GWI	Groundwater	100% FC	Control
2	GWI <sub>1</sub>	Groundwater	80% FC	Test
3	GWI <sub>2</sub>	Groundwater	70% FC	Test
4	GWI <sub>3</sub>	Groundwater	60% FC	Test
5	RWI	Recycled wastewater	100% FC	Control
6	RWI <sub>1</sub>	Recycled wastewater	80% FC	Test
7	RWI <sub>2</sub>	Recycled wastewater	70% FC	Test
8	RWI <sub>3</sub>	Recycled wastewater	60% FC	Test
9	MWI	Mixed water	100% FC	Control
10	MWI <sub>1</sub>	Mixed water	80% FC	Test
11	MWI <sub>2</sub>	Mixed water	70% FC	Test
12	MWI <sub>3</sub>	Mixed water	60% FC	Test