

Table 1 Effect of watering regime on percentage survival and growth of two genotypes of *Solanum lycopersicum*

Parameter	Tomato genotype	Watering regime							
		T1	T2	T3	T4	T5	T6	T7	T8
Plant survival (%)	H1	100.00	100.00	100.00	100.00	100.00	100.00	100.00	0.00
	H3	100.00	100.00	100.00	100.00	100.00	100.00	100.00	0.00
Plant height (cm)	H1	47.25±1.99 ^a	53.13±9.44 ^a	46.35±2.75 ^a	55.25±1.03 ^a	58.70±6.32 ^a	58.07±5.94 ^a	41.25±3.53 ^a	-
	H3	54.50±0.65 ^a	53.50±0.65 ^a	57.50±0.65 ^b	61.50±0.65 ^{cd}	62.50±0.65 ^d	58.50±0.65 ^b	59.50±0.65 ^{bc}	-
Stem girth (cm)	H1	2.63±0.24 ^a	2.39±0.21 ^a	2.35±0.22 ^a	2.43±0.21 ^a	2.38±0.11 ^a	2.25±0.10 ^a	2.33±0.12 ^a	-
	H3	2.73±0.13 ^a	2.90±0.13 ^a	2.73±0.23 ^a	2.88±0.13 ^a	2.70±0.20 ^a	2.85±0.12 ^a	2.78±0.22 ^a	-
Number of leaves	H1	11.75±0.41 ^a	14.80±0.56 ^b	18.55±0.61 ^c	21.88±0.47 ^d	24.88±0.47 ^e	28.00±0.53 ^f	31.13±0.47 ^g	-
	H3	33.50±0.65 ^c	29.50±0.65 ^d	25.50±0.65 ^c	21.50±0.65 ^{ab}	19.00±0.41 ^a	22.50±0.65 ^b	26.50±0.65 ^c	-
Leaf area (cm ²)	H1	26.48±0.40 ^c	26.10±0.38 ^{bc}	26.48±0.22 ^c	26.35±0.16 ^c	25.97±0.31 ^{bc}	24.97±0.13 ^{ab}	24.15±0.31 ^a	-
	H3	27.00±0.26 ^a	27.11±0.19 ^a	27.31±0.08 ^a	26.97±0.22 ^a	26.35±0.64 ^a	26.62±0.20 ^a	26.62±0.19 ^a	-
Number of roots	H1	5.55±0.61 ^{ab}	6.25±0.25 ^{ab}	4.75±1.03 ^{ab}	6.50±0.87 ^{ab}	7.50±1.04 ^b	4.75±0.75 ^{ab}	4.00±0.41 ^a	-
	H3	7.25±0.85 ^a	7.25±0.25 ^a	5.25±0.25 ^a	5.00±0.71 ^a	5.50±0.65 ^a	6.50±1.32 ^a	6.75±0.48 ^a	-
Root length (cm)	H1	5.60±0.61 ^a	4.58±0.64 ^a	5.40±0.51 ^a	5.45±0.57 ^a	4.60±0.47 ^a	3.58±0.41 ^a	3.80±0.43 ^a	-
	H3	6.10±0.91 ^{ab}	5.83±0.53 ^{ab}	6.88±0.51 ^b	5.13±0.60 ^{ab}	4.20±0.63 ^{ab}	3.85±0.16 ^a	3.40±0.62 ^a	-

Note: Each value is a mean ± S.E. of 5 replicates. For each value, means with the same letter(s) in superscript on the same row are not significantly different at $P \geq 0.05$ (Tukey HSD test). T1: watering twice daily; T2: watering once daily; T3: watering every two days; T4: watering every three days; T5: watering every four days; T6: watering every five days; T7: watering every six days; T8: continuous waterlogging; H1: Hortitom 1 genotype; H3: Hortitom 3 genotype