

Table S1. The maximum and minimum air temperature, during the growth period of experimentation.

Month	Week	Temperature (°C)		
		Minimum	Maximum	Mean
Dec-2019	1 st	18	28	23
	2 nd	15	23	19
	3 rd	13	23	18
	4 th	12	23	17.5
Jan-2020	1 st	10	13	11.5
	2 nd	12	18	15
	3 rd	12	19	15.5
	4 th	14	21	17.5
Feb-2020	1 st	13	22	17.5
	2 nd	14	26	20
	3 rd	16	28	22
	4 th	18	30	24
March-2020	1 st	17	28	22.5
	2 nd	15	25	20
	3 rd	19	31	25
	4 th	19	28	23.5

Table S2. Number of leaves (NOL), leaf area (LA), shoot length (SL), root length (RL), shoot fresh weight (SFW), root fresh weight (RFW), shoot dry weight (SDW), and root dry weight (RDW) of *Calendula officinalis* applied with foliar application of chitosan (0, 2.5, 5, 7.5, 10 mg L⁻¹).

Chitosan mg L⁻¹	NOL	LA (cm²)	SL (cm)	RL (cm)	SFW (g)	RFW (g)	SDW (g)	RDW(g)
0	10.67 c ± 0.34	0.22 b ± 0.04	16.00 a ± 0.59	16.00 c ± 0.59	5.05 d ± 0.09	1.62 b ± 0.03	1.64 d ± 0.05	0.52 b ± 0.02
2.5	11.00 bc ± 0.59	0.18 c ± 0.03	17.67 a ± 1.48	22.67 b ± 1.80	10.78 b ± 0.46	2.09 a ± 0.09	2.53 c ± 0.06	0.54 b ± 0.03
5	12.33 ab ± 0.34	0.23 b ± 0.06	18.33 a ± 1.80	28.33 a ± 1.22	7.91 c ± 0.19	1.28 c ± 0.03	3.16 b ± 0.24	0.41 c ± 0.04
7.5	12.67 a ± 0.34	0.27 a ± 0.03	19.00 a ± 0.59	29.33 a ± 0.34	12.79 a ± 0.20	1.79 b ± 0.09	4.25 a ± 0.03	0.67 a ± 0.04
10	10.00 c ± 0.59	0.18 c ± 0.06	10.00 b ± 0.59	15.00 c ± 0.59	4.54 d ± 0.18	0.65 d ± 0.04	1.44 d ± 0.08	0.19 d ± 0.03
<i>P</i> -value	0.0081	0.0002	0.0013	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
CV	6.83	7.90	11.93	8.03	5.28	7.05	7.73	8.58

Values are mean ± SE and letters represent significant differences at $p < 0.05$ according to LSD test (Each mean contains 3 replications). CV, Coefficient of variation.

Table S3. The chlorophyll (*a*, *b*) and carotenoid (Car) of *Calendula officinalis* applied with foliar application of chitosan (0, 2.5, 5, 7.5, 10 mg L⁻¹) under drought stress (60% FC).

Chitosan mg L ⁻¹	Chl <i>a</i> (mg g ⁻¹)	Chl <i>b</i> (mg g ⁻¹)	Car (mg g ⁻¹)
0	0.36 d ± 0.05	0.86 d ± 0.07	0.50 d ± 0.06
2.5	0.44 c ± 0.04	1.17 c ± 0.04	0.59 c ± 0.07
5	0.57 b ± 0.02	1.44 b ± 0.08	0.63 b ± 0.09
7.5	0.67 a ± 0.02	1.64 a ± 0.04	0.72 a ± 0.04
10	0.43 c ± 0.04	1.20 c ± 0.08	0.59 c ± 0.08
<i>P</i> -value	<0.0001	<0.0001	<0.0001
CV	5.51	1.67	3.05

Values are mean ± SE and letters represent significant differences at *p* < 0.05 according to LSD test (Each mean contains 3 replications). CV, Coefficient of variation.