

Table S1. A preliminary pot study conducted to identify the optimal concentration of diluted bee-honey (Db-H) and gibberellic acid (GA₃), as well as identifying the drought threshold of faba bean (Giza 40 cultivar) for the main study.

Treatments	No. of Leaves Plant ⁻¹	Leaf Area Plant ⁻¹ (cm ²)	Shoot DW Plant ⁻¹ (g)	No. of Green Pods Plant ⁻¹	Total Chlorophylls (mg g ⁻¹ FW)
Control	18.8±2.0c	76.1±8.3c	8.2±0.7c	9.7±1.1c	2.22±0.05c
10 g Db-H/L	21.1±2.2b	89.5±8.9b	10.1±1.2b	12.1±1.5b	2.48±0.07b
20 g Db-H/L	25.4±2.8a	107.5±11.1a	13.4±1.9a	16.2±1.8a	2.79±0.11a
30 g Db-H/L	24.9±2.5a	108.4±10.9a	13.4±1.8a	16.3±1.7a	2.82±0.11a
Control	18.8±2.0c	76.1±8.3c	8.2±0.7c	9.7±1.1c	2.22±0.05c
10 mg GA ₃ /L	20.8±2.1b	84.7±9.5b	10.0±0.9b	11.3±1.3b	2.42±0.05b
20 mg GA₃/L	23.4±2.4a	101.6±10.9a	12.4±1.4a	14.6±1.5a	2.69±0.09a
30 mg GA ₃ /L	23.6±2.5a	104.5±11.1a	12.6±1.6a	14.8±1.6a	2.68±0.09a
100% of ETc	18.8±2.0a	76.1±8.3a	8.2±0.7a	9.7±1.1a	2.22±0.05a
80% of ETc	14.4±1.5b	52.4±6.0b	6.9±0.5b	7.1±0.8b	1.56±0.04b
60% of ETc	4.9±0.4c	12.8±1.3c	2.6±0.2c	2.3±0.3c	0.69±0.02c
40% of ETc	Plants died				

The same letters with mean values±SE in each column indicate non-significant differences, and different letters indicate significant differences according to LSD test ($P \leq 0.05$).

It is evident from this Table (S1) that the best concentration of diluted bee-honey (Db-H at 20g per liter) and gibberellic acid (GA₃ at 20 mg per liter) was chosen, which gave the best results from an economic point of view. As for the deficit irrigation water treatments, the deficit irrigation treatment at 60% of ETc was chosen prior to the treatment in which the plants died.