

Table S1. The percentage of infested cells with the varroa mite in the experimental and control groups and different periods, following the brood treatment with formic acid 65% applied by brushing procedure.

Groups	The percentage of infested cells								
	T1			T2			T3 Control		
Evaluated colonies & periods	5-8 July 2021	20-22 July 2021	16-18 August 2021	5-8 July 2021	20-22 July 2021	16-18 August 2021	5-8 July 2021	20-22 July 2021	16-18 August 2021
1	1.75	2.25	3.5	0.25	0	1.5	9.25	4	4
2	1.25	0.5	2.5	1.75	2.5	3.75	7.25	8	15.5
3	0.25	0.75	4.25	1	0.25	2.25	2.75	5.75	7.75
4	2.5	1.75	4.5	0.25	2.25	4.5	4.5	7.75	9.5
5	1.25	3.75	6	1.5	1.75	4.5	11.25	9.75	15
6	1.75	1.5	3.5	0.25	2	4	7.25	10	7.75
7	0.5	1.75	3	1	1.25	3.75	7	6.75	3.5
8	0.75	1	3.25	0.5	0.25	0.75	5	6.5	9.75
9	1	2	5	2	2.75	4	5.25	7.5	12.25
10	3	2.5	6.5	0.75	2.5	3.5	7.5	6.5	7.75

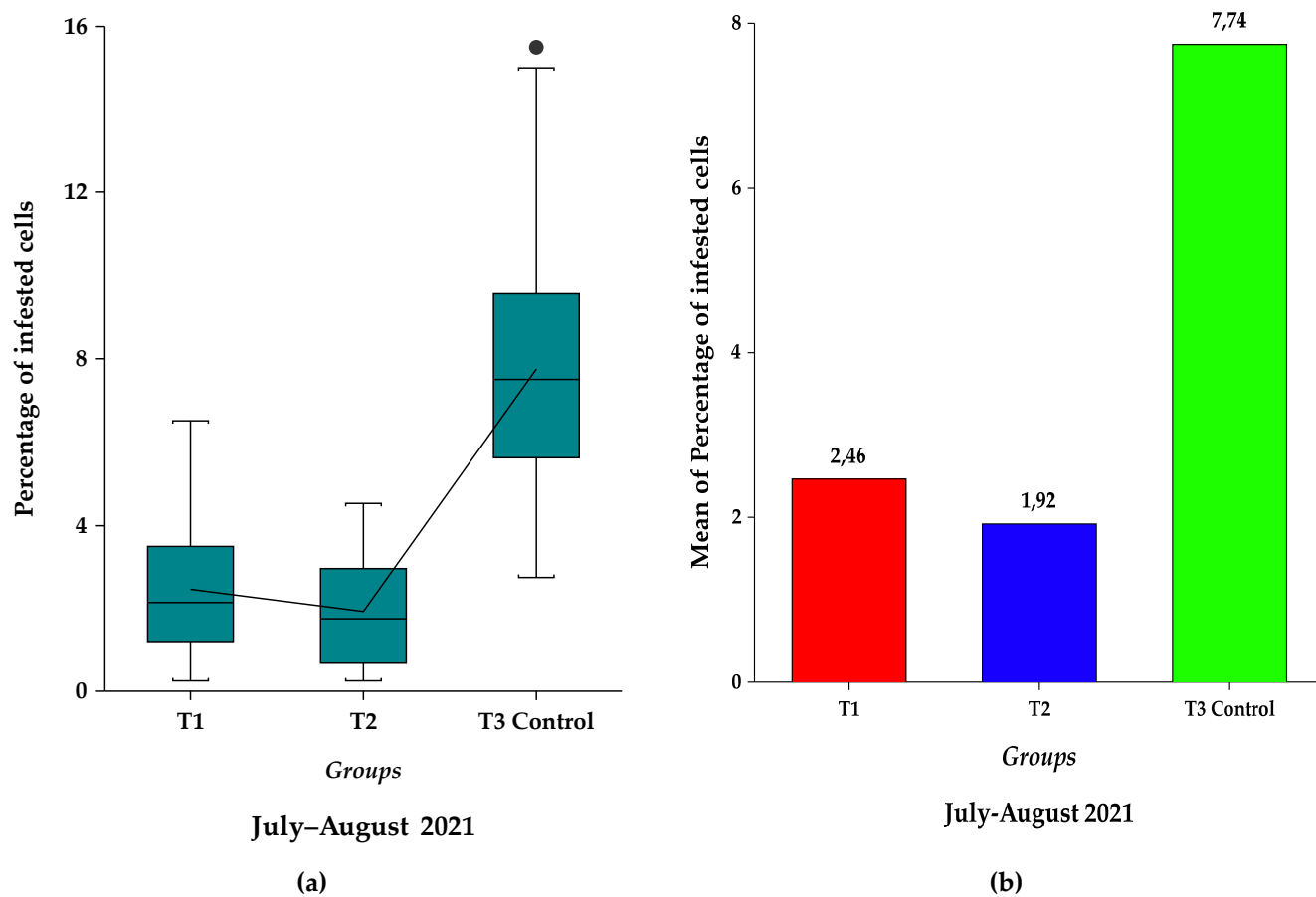


Figure S1 (a): A general overview of the box plotted data on the percentage of varroa mite infested cells evaluated in different experimental groups (T1, T2, T3 Control) in the whole evaluation period: July–August 2021. **(b)** The mean percentage of varroa mite infested cells evaluated in different experimental groups (T1, T2, T3 Control) in the whole evaluation period: July–August 2021.