

## BIOSECURITY MEASURES IN BEEKEEPING | VARROOSIS

How to Use Organic Anti-Varroa Treatments

### Assessment of varroa infestation level during the beekeeping season | Sugar shaking

Samples from a representative number of bees should be taken to assess the varroa infestation on adult bees. In addition, the drone or worker bee brood should be checked for mites. However, the most accurate method is to evaluate the natural mite fall using bottom boards.



**step 1** Select a frame to collect bees.



**step 2** Collect approximately 300 bees.



**step 3** Add powdered sugar.



**step 4** Shake out the sugar.



**step 5** Count the mites.



**step 6** Weigh the bees to estimate their numbers more accurately.

SUGAR TEST	
Number of varroa per 300 bees	Infection rate
0-3	1%
4-6	1-2%
7-9	2-3%
10-12	3-4%
13-15	4-5%
16-18	5-6%
19-21	6-7%
22-24	7-8%
25-27	8-9%
28-30	9-10%
31-33	10-11%
34-36	11-12%

**step 7** Interpret the results.



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