



The all new formic acid Evaporator for effectively fighting varroa-mite disease (Varroa destructor)



Product specification

The **NASSENHEIDER Evaporator professional** is a long-term evaporator for continuous evaporation of formic acid 60% ad us. vet. for the treatment of varroa-mite disease of the honey bee (*Apis mellifera*).

The model **NASSENHEIDER Evaporator professional** is characterized with the following advantages compared to the established **NASSENHEIDER Evaporator horizontal**:

- **Total height is now 70mm only** - therefore it even fits into a feeder, turned upside down!
- **The tank is a bottle** - you can fill it under optimal safety conditions in your workshop and transport it closed to the bee yard.
- **The tank capacity is now extended to 290 ml** - enough to treat even the biggest hives with formic acid, without the need of filling it up again.

The whole improved Evaporator is a compact item. The horizontal wick lies inside a tray, to save the young brood from the concentrated formic acid-fumes and liquid acid. The evaporator is standing absolutely stabile inside the tray and reliably protects the bees from liquid acid, if something should spill over.

The base tray provides another highlight: Two drip trays put together result in a sturdy box for storage on a shelf out of season.

The well-proven principle of evaporation has not been changed, only the handling has remarkably been improved. The evaporation chamber, the wicks and the unique, patented principle of evaporation were not changed in the current model of the **NASSENHEIDER Evaporator professional**.

Amateur and professional beekeepers now can expect excellent treatment results by using a professional tool to get the varroa-mite disease under control with formic acid only.



Two drip trays plugged together allow the clean and convenient storage of the evaporator with accessories until the next season.



Total height: 70 mm
Fits into a feeder, turned upside down.
Overall dimensions:
37 x 23 x 7 cm (WxDxH)
Weight: ca. 460 g
Tank capacity: 290 ml

Frequently Asked Questions

How does the Nassenheider Evaporator professional work?

Equal to the proved and tested NASSENHEIDER Evaporator horizontal, the **NASSENHEIDER Evaporator professional** operates by the so-called horizontal evaporation principle. This means, the formic acid evaporates from a horizontal position (without inclination) overlying non-woven cloth.

The acid is drawn from the U-wick onto the large bracket and drained on the narrow bracket. The drops fall on the fleece cloth and evaporate there. The amount of dripping acid is relatively constant.

Depending on the temperature, the size of the spot on the cloth changes (temperature, spot size, evaporation and vice versa). Thus, changes in the outside temperature can be compensated. Such compensation results can hardly be achieved in the evaporation with a sponge or cloth or with other evaporators on the market. In addition, a treatment with 60% formic acid down to 20 ° C outside temperature is possible.

With the three wick sizes available the evaporation rate can be adapted to the size of the hive. On the surface of the U-wick acid is additionally evaporated. Thus, the amount of acid is balanced in rather active colonies of bees, while it usually „blows out“ by strong fanning through the entrance hole. This is not possible in comparable competitive models.



Safe transport of sealed bottle to the beeyard

Why is the non-woven cloth so wet in the autumn?

In cooler weather and high humidity, the water content in the acid barely evaporates. The acid evaporates. The water remains. At temperatures between 10°C and 20°C the treatment shall be carried out with 85% formic acid. Please follow the local regulations („imminent danger“). The amount of acid to be evaporated can be reduced by about a quarter. Therefore, use a wick one size smaller.

FURTHER TREATMENT NOTES:

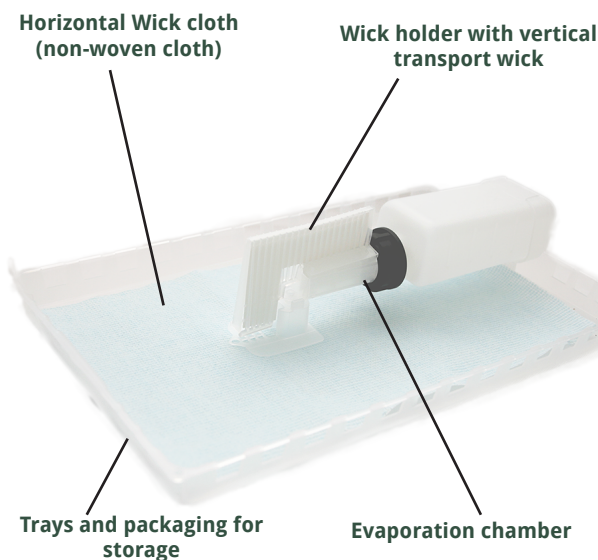
Treated after harvest in late July, early August, for 10 days, with 60% formic acid. Feed thereafter, or simultaneously.

From mid to late September, depending on weather or altitude treat with 85% formic acid for 10 days. Then mite control. Even after initially successful treatment, it may lead to a re-infection and the mites increase again.

When the mite fall is more than one mite per day by Mid-October, treat a third time. Use 85% formic acid to compensate the typically lower outdoor temperatures.

The minimum duration of treatment with our equipments is 10 days. The evaporator may also stay longer in the hive. Empty evaporator in particular, an inactive evaporator may be „attacked“ by the bees. The bees can possibly cementing or fret the wicks / the non-woven cloth. We recommend to separate the evaporation chamber (above the brood) and the brood chamber by using plastic-mesh.

Further information at www.nassenheider.com



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