

OXAVAP.Com - Oxalic Acid Vaporizers

INSTRUCTION MANUAL



What you require:

- Oxalic Acid crystals
- Oxalic Acid vaporizer
- Timer (your cell phone has a timer built in)
- Measuring spoon for crystals
- Respirator approved for Oxalic Acid or Organic fumes, one type from 3M is the 52P71.
- Acid resistant gloves
- Eye protection
- Cloths or foam to block entrances

• Safety first

- Always wear your respirator as you don't want to breathe the vapors. Breathing the fumes can cause severe irritation and burns to the throat. Have eye protection and gloves.
- Avoid skin contact with the crystals as OA can cause a burning sensation.
- Always keep a smoker lit and stand up-wind.

• Steps

- 1 Add 1 gram per deep brood box of Oxalic Acid crystals to the head (pan) of your Oxalic Acid Vaporizer. You can use a 1/4 of a teaspoon (which is the equivalent of one gram) as a measuring tool. For example, a colony with two brood boxes requires 2 grams for treatment or 1/2 a teaspoon. For a nuc box, you would use 1/8 teaspoon. A colony of 3 mediums would use 1/2 teaspoon as 3 mediums are equivalent to 2 deeps.
- 2 Insert the vaporizer about 1/2 to 3/4 of the way into hive from the front entrance.
- 3 Seal any openings with cloths or foam.
- 4 Don your respirator.
- 5 Connect your vaporizer to the power source (12 volts) for **two and a half minutes** (Maximum three minutes - depends on battery capacity.)
- 6 Disconnect power source.
- 7 Wait 2 minutes and remove the vaporizer to prepare for the next hive.
- 8 Reseal the hive a further **ten minutes**. If you wish, you can leave the vaporizer inside the hive for the full ten minutes (after disconnecting from the power source after the initial 2.5 minute connection.)
- 9 Removed all cloths or foam.
- 10 Ensure the vaporizer is cooled before reusing or storing. If you have the Varro you can dunk it in water. With the VarroCleaner or VarroVap, use a wet cloth or sponge.

OVER

What's next?

- 11 If you have brood repeat these steps every 4-5 days for a 4 treatment total as the vapor doesn't kill mites in the capped brood cells and you need to vaporize those mites as they emerge with the brood during this time frame.
- 12 If you have a broodless period then only one treatment is required.

Always store Oxalic Acid crystals in a dry air tight container. If OA gets damp it will take longer to vaporize!

If your hive bottom opening is too small to insert the vaporizer, you can vaporize from the top down! Just make a two inch or so shim the size of your brood boxes. Cut a slot along the bottom of the shim slightly larger than the rod of the vaporizer. Remove the top and inner cover(s). Place the OA filled vaporizer directly on the frames. You may want to use a small piece of plywood or sheet metal a little large than the size of the vaporizer pan between the vaporizer and frames to prevent scorching. Place the shim, replace the top cover, cover the bottom opening(s) with cloths or ??, don your respirator, connect the terminals to the battery and vaporize! If you've a screened bottom board, just make a slide in cover out of coroplast (political sign material) OR use your sticky board OR your plastic slide.

You can purchase Oxalic Acid at many places such as EBay, Amazon or Ace Hardware (where it is sold as wood bleach in the paint section under the brand name, Savogran.) Many of the bee supply companies now sell the LEGALLY LABELED FOR USE IN BEEHIVES Oxalic Acid.

You can vaporize anytime the temperature is above 37f. There is NO top temperature!

When inserting the vaporizer in the hive, make sure it is NOT making contact with burr comb. Wax and a very hot vaporizer could cause a fire! Move the vaporizer a little to the left or right inside the hive if you feel resistance from burr comb.

Know also, the vaporizer is great for treating broodless packages and swarms once placed in the hive and the queen is actively laying BUT before brood is capped!

OxaVap.com where the only good mite is a **Vaporized** one!