

PLACEMENT - MAINTENANCE - PROTECTION - WARRANTY - USE - BENEFITS - ADVANTAGES

Beehive Lid "BeeNectar Lid"

PATENT with No. PCT/GR2006/000006

This is one of the most amazing tools of modern beekeeping.
(PARTICULARLY USEFUL AND EFFICIENT)

By purchasing this innovative lid you should forget the smoker which is not needed any more, except when you need to pull the rims out from the hive. Much of work can be done even under adverse weather conditions and at any time (even during night hours) without smoking.

CAUTION

Proper placement and use of the lid, according to the following instructions are prerequisites in order to highlight its advantages and obtain the results reported below. The company bears no responsibility for failure to obtain the expected results or for any technical or other problem which shall occur in the future if such are the result of improper placement or use of the lid.

Placement instructions of the lid on the beehive

I) Fixing the lid on the beehive

First you should aim with precision the points where you should open the holes needed (between the air ducts (10) on the base of the lid (6) on both sides), in relation to the retention system you want to place. Then you should drill to a depth 25 mm using a drill with a thickness of at least half a millimeter smaller than the screw you want to fit, drill depth 25 mm (millimeters). Then you should pass screws 25 mm (millimeters) long and 3 mm (millimeters) thick or according to your assessment. You could also drill through and insert a screw with a nut inside.

Caution: the improper placement of the connectors on the lid or the placement of the lid on a deformed beehive can result in its medium-long term deformation.

II) Placement

The lid is always placed so that the liquid deposition trough (3) is to the rear of the beehive, which is not to the entry-exit port input gate of the bees

III) Extraction

The lid is extracted by placing the scraper in one of the four slots (11) which are laterally on the longitudinal sides and always after you have closed and locked the roof with the roof locking clips (7).

Protection of the lid

- **CAUTION!** The lid should not be cut with sharp objects and the use of the transparent glass (5) should be made with extreme caution (opening - closing).

- The placement of hot objects, such as smoker, torch etc., on the lid or its parts is prohibited.
- The package of ten items must be kept in place without humidity, extreme temperature, shocks and intense stresses.

Maintenance of the lid

- The lid does not need any special maintenance if the instruction manual is strictly followed.
- The manufacturing materials provide all the necessary guarantees for the lid's long-term use.
- In case cleaning of the lid is required, it is suggested this to be done with the use of a clean sponge and hot water. If necessary, after removing the lid from the beehive you could wash separately every component with the use of hot water and a sponge any by removing it carefully in order to avoid its breakage. Be careful while you replace the components in order to the retaining feet to be in the right position to avoid their twisting or breakage.

Warranty

With the purchase of any lid a 5 years warranty of proper function is provided.

The warranty requires the placement and use of the lid to a LR beehive or any other beehive type that can be applied with the same advantages, should the rules written in the installation, maintenance and protection instructions, are accurately followed.

The product withstands temperatures of -40°C to +60°C. At low temperatures its exposure to intense and abrupt shocks should be avoided. There is also no warranty provision for cutting with sharp objects and for any damage that would occur from improper use. The warranty does not cover for loss of components, but there shall be continuous support of spare parts that you may need (either you lost them or they broke).

During the warranty period, we undertake to repair free of charge, any damage exclusively due to manufacturing fault. The transportation costs are exclusively borne by the purchaser. Claims that differ from or extend beyond this warranty shall be excluded, except for those expressly provided for by the provisions of the applicable law. We reserve the right to determine the way, time and place of repair at our discretion.

Supply of Spare Parts

You can purchase spare parts from our individual dealers.

The use of spare parts other than those derived from beenectar's line of spare parts lapses warranty.

Instruction Manual

I) Use of the liquid deposition trough (3)

By lifting the roof of the lid (1), without smoking and bothering the swarm of bees, in any weather conditions and time, after you open first the two clips (7) on the right and left that lock it, there is a 2,5 liter capacity trough (3) which is used for the deposition of liquid sugars (syrup) or water when your beehive needs it.

There is the possibility to place syrup in the trough, to which a new drug for treatment of possible diseases is added, according to your veterinarian's instructions.

II) Use of transparent glass (5)

Following the trough (3), cited above, there is a transparent glass (5) that opens and closes and offers you the possibility to monitor and control the health and population status of the swarm of bees without disturbing it and:

- a) by opening the transparent glass (5) you could place dough (pie) onto the rims of the beehive,
- b) to sprinkle your apiary with all that is needed for stimulation,
- c) to sprinkle your apiary with a proper pharmaceutical preparation for treatment, in accordance with your veterinarian's instructions,
- d) to place inside your beehive any pharmaceutical preparation recommended by your veterinarian,
- e) you could combine any of the above actions done either using the liquid deposition trough (3) or using the transparent glass (5) simultaneously.

III) Windows in the ventilation ports (8)

You either open or close the windows (8) present in the ventilation ports depending on the external weather conditions, in order to help the swarm of bees to preserve the ideal conditions inside the beehive. When moving your apiary, your windows should be fixed in an open position. Depending on the wind's direction and the general external weather conditions you could either open or close whichever of the four windows (8) present in the ventilation ports at your discretion.

IV) Additional insulation of the product

You could, if you consider it necessary to protect your swarm of bees, place any insulation externally, but carefully in order not to interfere with its proper operation and not to alter it. There is also provision for the placement of extra insulation that could not cause problems to the manufacturing material of the lid:

- a. around the base (6) after you carefully remove first the two bottom circumferential lids (9) and
- b. on the roof (1) after you carefully removes the inner insulation (2)

After placing the insulation, the removable parts should be replaced with proper attention and into the correct position.

With the proper use of the new "BeeNectar Lid" lid all the above is achieved at a time at least 90% LESS than the current known means. Due to the aforementioned properties, but also to the lid's constructional quality the below benefits-advantages have been scientifically measured.

Benefits-Advantages

1. The yield of honey will be increased up to 50 %, depending on the climatic conditions, as a result of the synthesis of the positive impacts.
2. Great regulation of microclimate of the hives providing better living conditions for the bees
3. Better living conditions helping the society to grow faster and develop better.
4. Successful overwintering of the society makes society quickly active in the spring
5. Usage of the new lid provide maximum of avoidance of harassment of the bees
6. Usage of the new lid will reduces the need to use smoke except when removing rims from the hive.
7. Avoiding the usage of smoke improves the quality of honey.
8. New lid allows visibility of 2/3 of the hive without full opening
9. Placing more solid foods or drugs is very simple and does not cause a disturbance of the bees
10. New lid prevents intrusion from neighbouring colonies

11. The time required for feeding with solid or liquid food or medicine application is 90 % shorter than the time it takes with conventional lid.
12. New lid shows greater benefits in years with heavy grazing
13. New lid is made from a special type of plastic and it is completely harmless to the bees
14. New lid is UV resistant, weather disasters resistant, as well as the lid is resistant to the pressure up to 500 kg.
15. Not necessary to remove the lid during migration of the hives.
16. The new lid fits at all hives with dimensions 504 x 412 mm.
17. Larger customers can get personal service barcode each piece of the lid
18. The lids may have the GPRS tracking

This patent, by lowering the production costs (reduction of working hours), by increasing the production and by producing healthier products, contributed greatly to Beekeeping and makes the beekeeper more competitive and sustainable in the International market.

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- The placement of the syrup which stimulates the bee queen in order to give birth, should preferably be done many times, even every day (unless you deem otherwise) starting from 200 grams and depending on the population growth we increase the amount of syrup, in order to meet the needs of the swarm of bees. Even better the stimulation can be done by sprinkling the swarm of bees with the syrup at a temperature of about 35°C inside the glass.
- The amount of syrup you shall place in order to reduce the consumption of honey during its maturation, it is up to your discretion.
- The amount of syrup you shall place to build your bee waxes off-season (given that there is pollen) should at least be a kilo each day for at least seven days.
- The amount of syrup you shall place to feed your beehive should be proportionate to its population, which you control by watching through the transparent glass (5) directly when you place the syrup. Also, the amount can be determined, depending on your experience and your goal, by checking on your next visit how well or not the syrup has been absorbed by your apiary.
- The placement of water in the trough (3) helps prevent transmission of diseases in your swarm of bees from contaminated water and at the same time relieves them from unnecessary transportation.
- You should control the population of your swarm of bees and record it either electronically or on the internal insulation of the roof (2) with a marker (which later can be erased with alcohol) since there is a unique numbering printed with laser on the periphery of the lid base (6) of each lid. (Also with the numbering, your personal information is printed, protecting proprietorship of your lid). In this way, on your next visit you shall know the evolution of the population of your swarm of bees. If the population of your swarm of bees has dropped while it should have been increased after you check first all your beehives (to avoid stimulation and looting), then you return to the swarms of bees in which the population has been decreased. If it is necessary, remove from your problematic beehives even the honeycombs, after you move them to another area outside you apiary and consult your veterinary, in order to prevent in case of a disease, its transmission to the remaining swarms of bees. Thereby the spread of a possible disease at your apiary is prevented, the use of much less drugs is accomplished and you shall always have healthy beehives.