PP-186 [Beekeeping Technology and Quality]

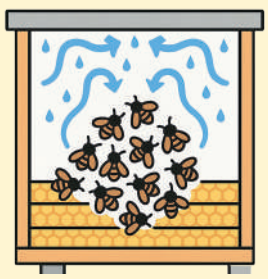
Climate Hive „BEELIVE“ – Reducing Humidity in the Beehive

Hive without Climate Cover

Hive with Climate Cover after 48 Hours

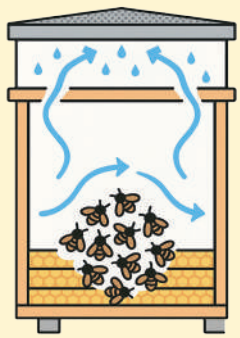
Observations show that with the Beelive climate cover, the bees cluster more loosely, and the hive experiences less moisture and mold.

NORMAL LOOT

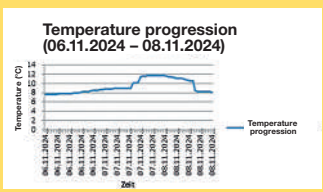


Better Hive Climate – Beelive Cover

- Bees sit more loosely
- Lower risk of feed interruption
- Improved hive hygiene
- Reduced chalkbrood risk
- Lower feed consumption
- Supports strong spring development



CLIMATE COVER



Temperature Pattern – Climate Cover Test

- Climate cover was placed for 6 hours, then removed
- Temperature rose after removal
- Cause: evaporation cooling effect was gone
- Similar to feeling warmer after leaving the swimming pool in summer

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& BeeLive Das Original
Imkern wie da Jupp

PP-186 [Beekeeping Technology and Quality]
Climate Hive "BEELIVE" – Reducing Humidity in the Beehive

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BeeLive Climate Hive – Reducing Humidity in the Beehive
The BeeLive Climate Hive, developed by Josef Basl Zeilinger and manufactured by Bienen Ruck, is a groundbreaking innovation in beekeeping, designed to optimize the internal climate of the beehive and support both bee health and beekeeper efficiency. Tested in over 2000 beehives, it has already proven its effectiveness in real-world conditions.

Key Features:
Humidity Regulation: The hive includes a special climate membrane film that allows excess humidity to pass through, helping to maintain an ideal environment for the bees.
Insulation: No additional insulation is required, as the hive is already tailored for optimal performance. If desired, breathable materials such as coarse wood shavings can be used, but airtight materials should be avoided.
Winter Benefits: It regulates humidity by draining excess moisture, which is vital for bees in colder months. The hive also traps warmth inside, preventing damage to hive materials and frames.
Summer Benefits: The BeeLive Climate Hive provides heat protection by blocking direct sunlight and prevents overheating. It also aids in honey drying by storing heat during the day and releasing it at night, while ensuring the bees can work more efficiently after cold nights.

Technical Details: The hive features 4 mm holes for improved air circulation and faster evaporation of accumulated moisture. These holes are sized to prevent bees from entering the area, thus ensuring a safe and stable environment. Temperature inside the hive rises by 2-4°C with the BeeLive Climate Hive, which helps reduce energy needed by the bees to regulate their environment.

Benefits for Bees and Beekeepers:
The stable climate reduces stress on bees, improving their health and colony growth.
The durable hive extends the life of hive materials, making it a smart investment.
The bees use less energy on climate control, allowing them to focus more on foraging, which boosts productivity.

In conclusion, the BeeLive Climate Hive is an innovative solution that enhances beekeeping sustainability and efficiency, improving both the health of bees and the success of beekeepers worldwide.