

10-Frame  
Hive Cover  
(Not Included)

Upper Vent  
Cap (1)

Finger  
Grips

Upper  
Entrance  
Tunnel

Upper Entrance  
Access Points

8-Frame or  
10-Frame Box  
(Not Included)

Storage  
Recess

R-10  
Insulation  
Board

Hive Tool  
Access Point

Upper Box  
Support

Alignment  
Pins

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DESIGNS

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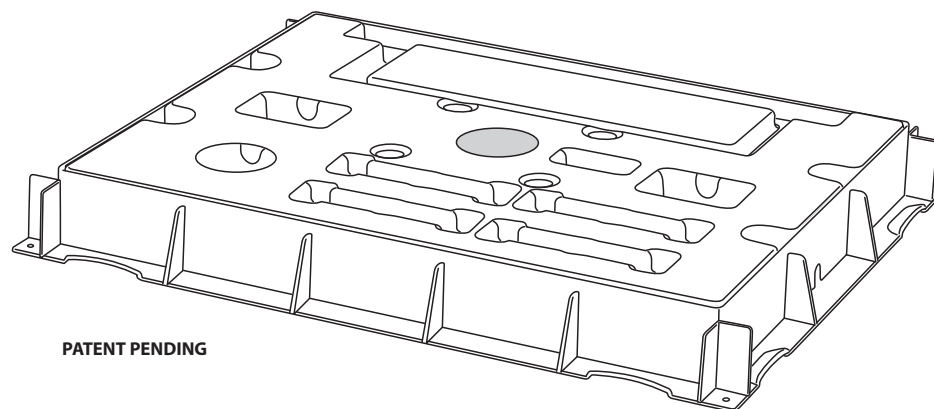


BSD user guide insulation i-c; 2022 (Rev 11-1-22)

**Bee Smart**  
DESIGNS

# Ultimate Insulated Inner Hive Cover

## USER GUIDE



PATENT PENDING

## QUICK START

- Remove outer telescoping cover and existing inner cover.
- Place **Insulated Inner Cover** on top box (brood or honey super) and align the 4 corner pins to sit inside the box to keep it centered and prevent movement. **Insulated Inner Cover** fits any standard 8-frame or 10-frame Langstroth box.
- Install 10-frame telescoping cover; Bee Smart Cover or traditional 10-frame wooden cover; 8-frame covers are not compatible with the **Insulated Inner Cover**. Bee Smart offers the 'DUO™' **Cover/Insulated Inner Cover** combination package that gives the benefits and advanced features of both products, along with savings.
- The **Insulated Inner Cover** ships with both the upper ventilation and upper entrance features closed.
- There are storage compartments for a Bee Smart Robbing Screen, Bottom Board mouse guards/entrance reducers and 'Ultimate Direct Feeder' feet to keep things organized and secure/handy when not in use.

## SUMMER USE

- The **Cap** in the Center Top Ventilation Hole can be removed and stored on top of the **Insulation Board**. We suggest leaving the **Cap** installed to maintain hive homeostasis.

## WINTER USE

During the winter you have 2 options

- Sealed top
- Top upper entrance

### • Sealed Top (Darwinian) Option

- Install the 1.5" diameter **Upper Vent Cap** in the center hole.
- Make sure that the **Upper Entrance** feature is shut off; this is how the **Insulated Inner Cover** is shipped. To check, lift the **Insulation Board**, using the **Finger Grips** on each end, and make sure that the **Tunnel** section is on the side away from the doorways in the center tube and front wall, then reinstall.

*NOTE this option allows the bees to maintain their micro climate with the top of the hive retaining warmth; also any excess moisture will condense on the side walls where it will not drip on the bees yet; provide water if needed.*

### • Top Upper Entrance Option

- Make sure that the **Top Upper Entrance** feature is active. To check, lift the **Insulation Board**, using the **Finger Grips** on each end, and make sure that the **Tunnel** section is on the same side as the doorways in the center tube and front wall, then reinstall. This is the opposite way that the **Insulated Inner Cover** is shipped.
- The **Top Upper Entrance** feature should be shut off during the season to prevent robbing. Just rotate the **Insulation Insert** back to its original position.

*NOTE: this option Does Not create a draft in the hive and does not affect the micro climate in the hive.*

## • Other Winter Options

- Mountain Camp Feeder; add a shim under the **Insulated Inner Cover** then lay newspaper on top bars and add dry sugar.
- Candy Board; make a candy board and install under the **Insulated Inner Cover**, candy down.
- Fondant; add a shim under the **Insulated Inner Cover** and then add Fondant.
- Quilt Box; cover the center hole with a screen or porous material, add a 10-frame box and fill with absorbent material and then install cover.

## FEEDER USE

- The **Insulated Inner Cover** works with most 10-frame top feeders, and In-Hive feeders, including the Bee Smart 'Ultimate Direct Feeder' and 'Ultimate Universal Feeder,' plus Miller style feeders that allow access from the center hole in the inner cover.
- The Bee Smart 'Ultimate Direct Feeder' can be used for Spring build up, Fall feeding and as an emergency Winter feeder. This easily fits inside a medium box above the **Insulated Inner Cover** and does not interfere with the Sealed or Upper Entrance options.
- The Bee Smart 'Ultimate Direct Feeder' can be used with its Riser Feet to provide ventilation during the warmer months or without the Riser Feet to eliminate ventilation during the Winter.
- The Riser Feet are stored on top of the **Insulation Board**.