



The Managed Mentoring Program on getting started in beekeeping.

Managed Mentoring



Managed Mentoring

From One Box to Two

Lesson | Adding a Second Hive Box



What is Covered in this Module

Colony Growth to one full box

Building all 10 Frames before adding

Placing the second box

Enticement to the second box

Forecasting full Grown



Dedication

In Memory of Alfie Grillo

This lesson is dedicated to Frenchtown NJ Beekeeper **Alfie Grillo**

Alfie maintained a number of hives at his home and was always present with a helping hand and a smile.



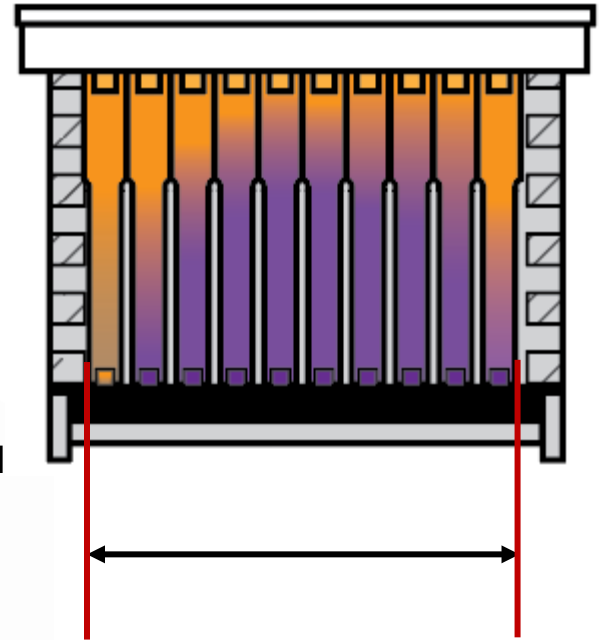
Colony Growth

When to add the second box



From One Box to Two - Concept

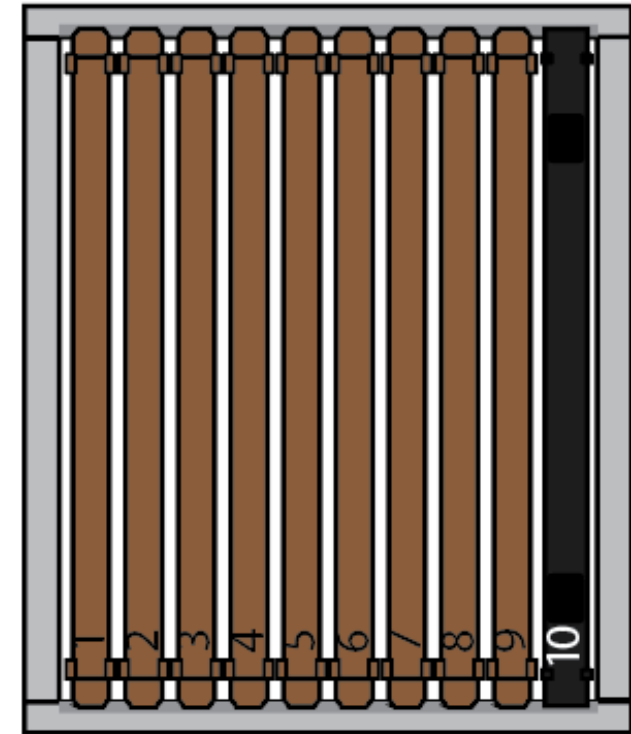
- When the 1st box fills out, add another...
 - We will cover in this review some details under the fold about what this means.
 - Setting a baseline, we want to outline the objectives.
 - Our objective is full frames of comb – side wall, to sidewall.
 - To say this another way, we want to avoid the end frames (position 1 and 10) from not being well formed.



Initial Box Buildout 10-F

□ 10-Frame Deep

- *The starting point for this presentation is building out to 10-frames*
 - We start with taking into consideration that you have an internal feeder, and you are following the guidance of the program.
 - We acknowledge that some did not do this, and we will have instructions if you have 10-frames and are feeding in another way.
 - Follow the instructions for what situation you have.



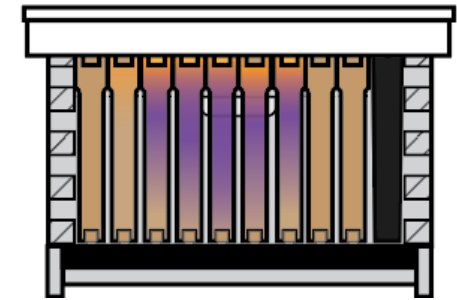
Back of the hive



Initial Build Out 8F and All Medium

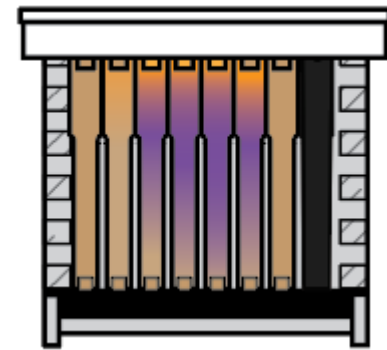
□ 10-Frame Medium Arrangement

- *If you are building out 10-Frame mediums, then you will follow the base procedure for adding a box over the stack two additional times.*



□ 8-Frame Deep Arrangement

- *If you are running 8-Frames, simply do this earlier*
 - When you see the build out to the outer walls; take action



ALL 10 FRAMES

Getting all 10 Frames of Comb Drawn out in the Bottom Box



Build out Progression

When to take action

■ Inner Frames, Built Out and Occupied

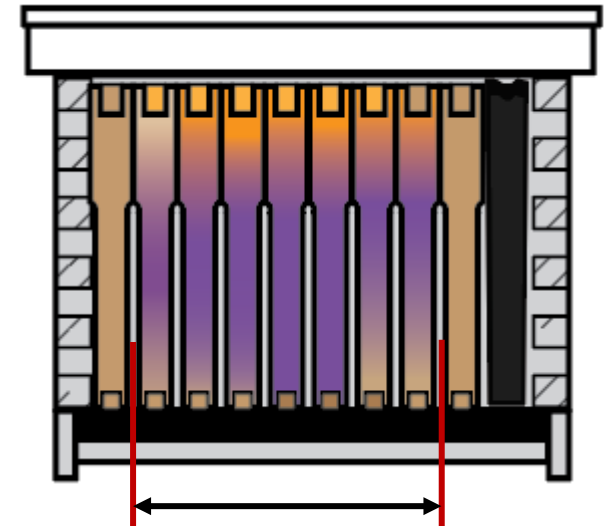
- When the initial hive box is built out in the center, that is the time to execute the procedure to build out the outer frames

- *Colony State*

- The colony is growing rapidly
- Significant amount of bees
- Comb building should be rapid
- Frames 2-8 are built

- Next Operation

- *BUT FIRST: Swap the Unbuilt Frames to the Interior*

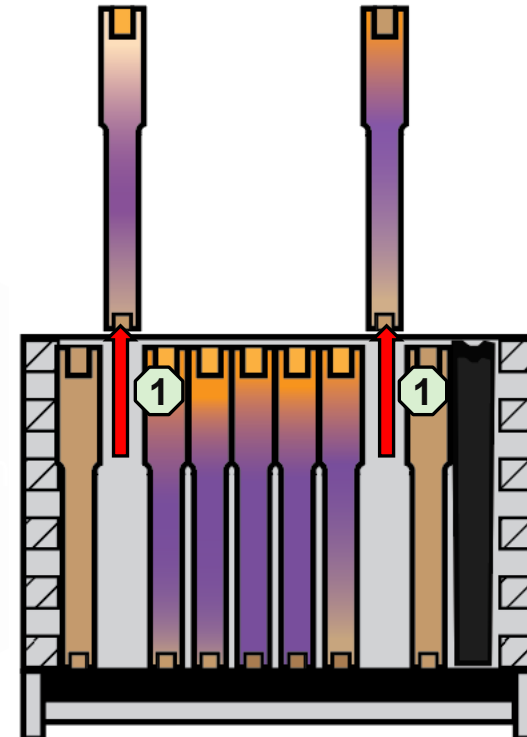


Swapping Frame to the Interior

□ Moving unbuilt frames inward.

- *Step 1: Pull frames #2 and #8 out.*

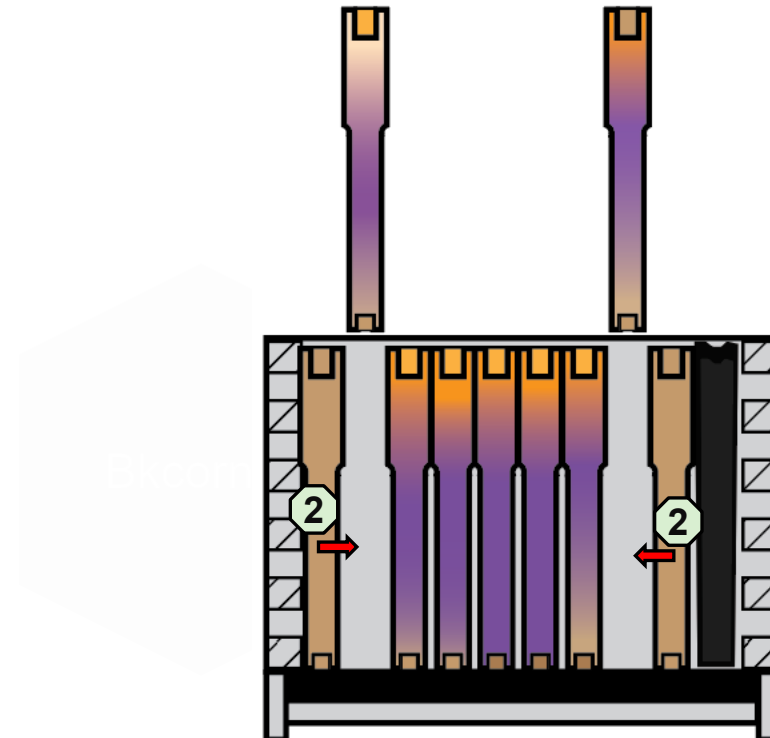
Note: If you are running 8-frame hive boxes you would do this same procedure with your outer frames when the interior frames were fully built out *just sooner...*



Swapping Frame to the Interior

□ Moving unbuilt frames inward.

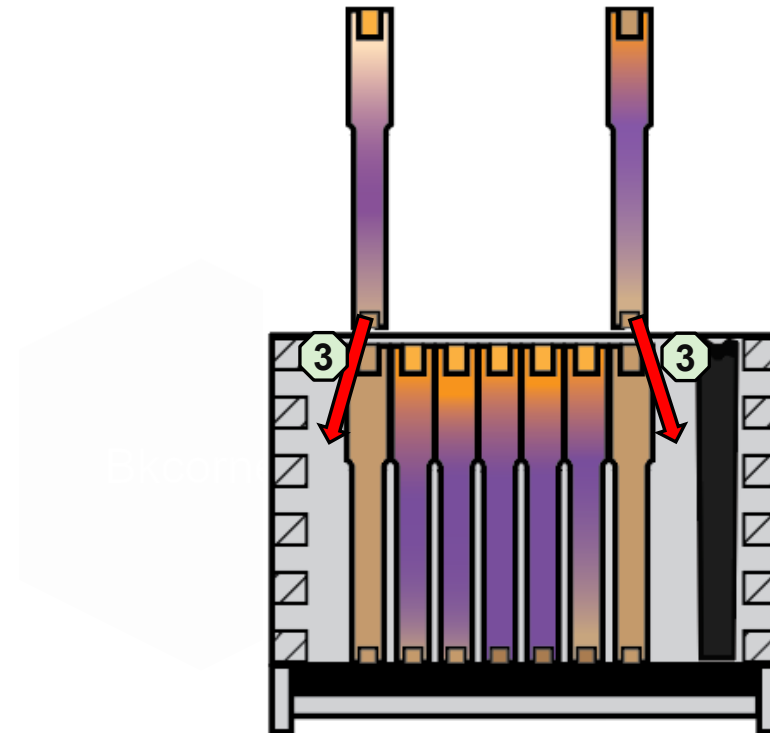
- *Step 1: Pull frames #2 and #7 out.*
- *Step 2: Move #1 and #9 inward*



Swapping Frame to the Interior

□ Moving unbuilt frames inward.

- *Step 1: Pull frames #2 and #7 out.*
- *Step 2: Move #1 and #8 inward*
- *Step 3: Put #2 and #8 in the outer positions*

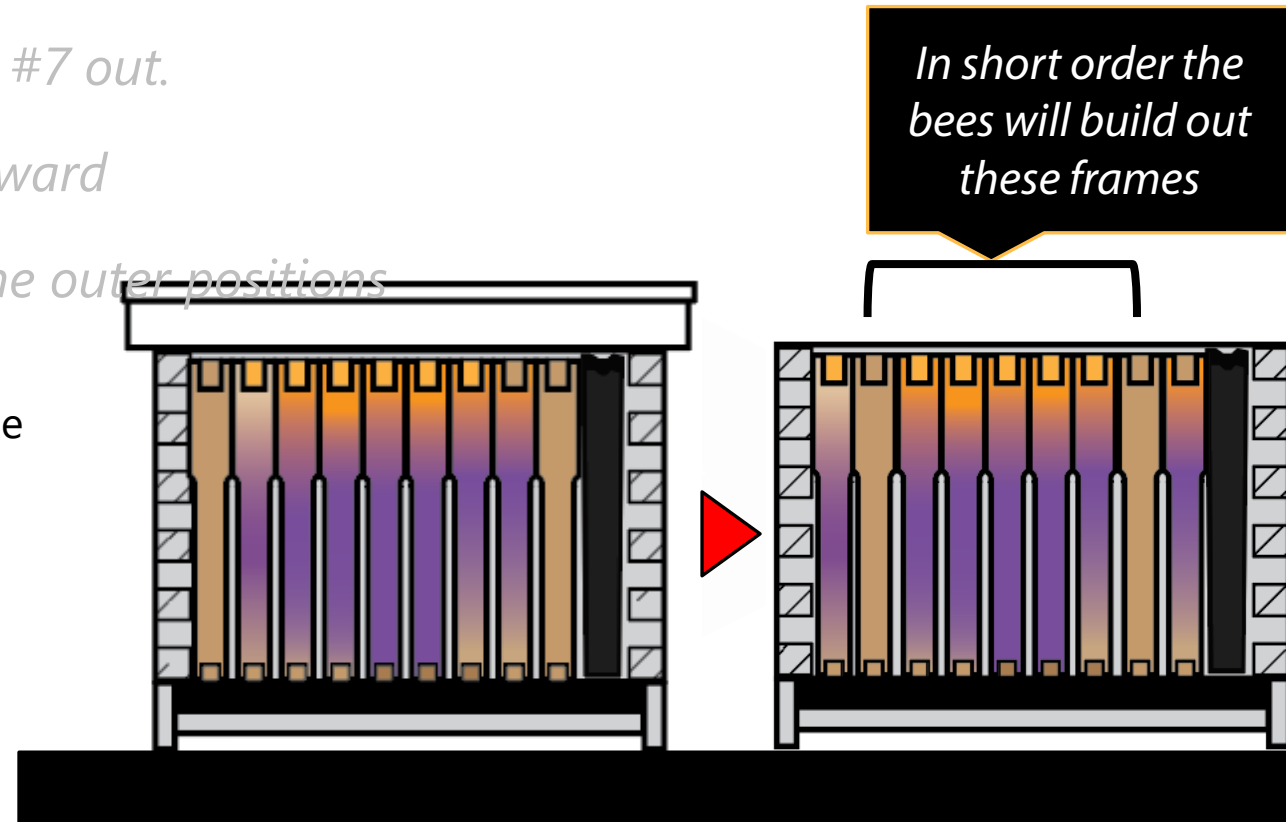


Swapping Frame to the Interior

□ Moving unbuilt frames inward.

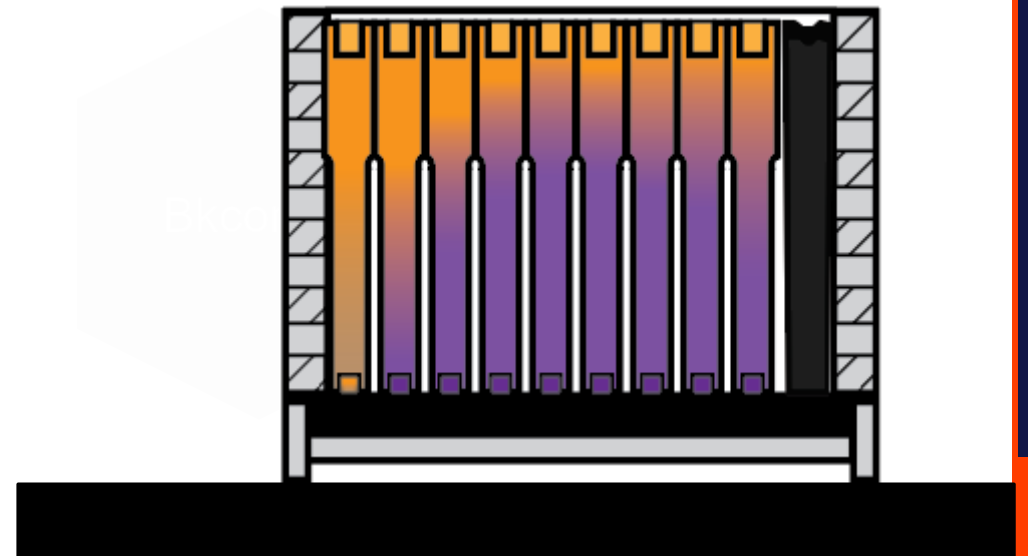
- *Step 1: Pull frames #2 and #7 out.*
- *Step 2: Move #1 and #8 inward*
- *Step 3: Put #2 and #7 in the outer positions*

Note: If you are running 8-frame hive boxes you would do this same procedure with your outer frames when the interior frames were fully built out *just sooner...*



Adding the second box

- When the frames are drawn...
 - *Execute a few steps to add another box*
 - The next few slides are going to step through the process
 - When done, a second box will be on top with 9 foundation frames in the top box and the feeder.
 - The bottom box will have 9-drawn frames
 - And we will give them one more on the interior so they can finish the job.



PLACING THE SECOND BOX

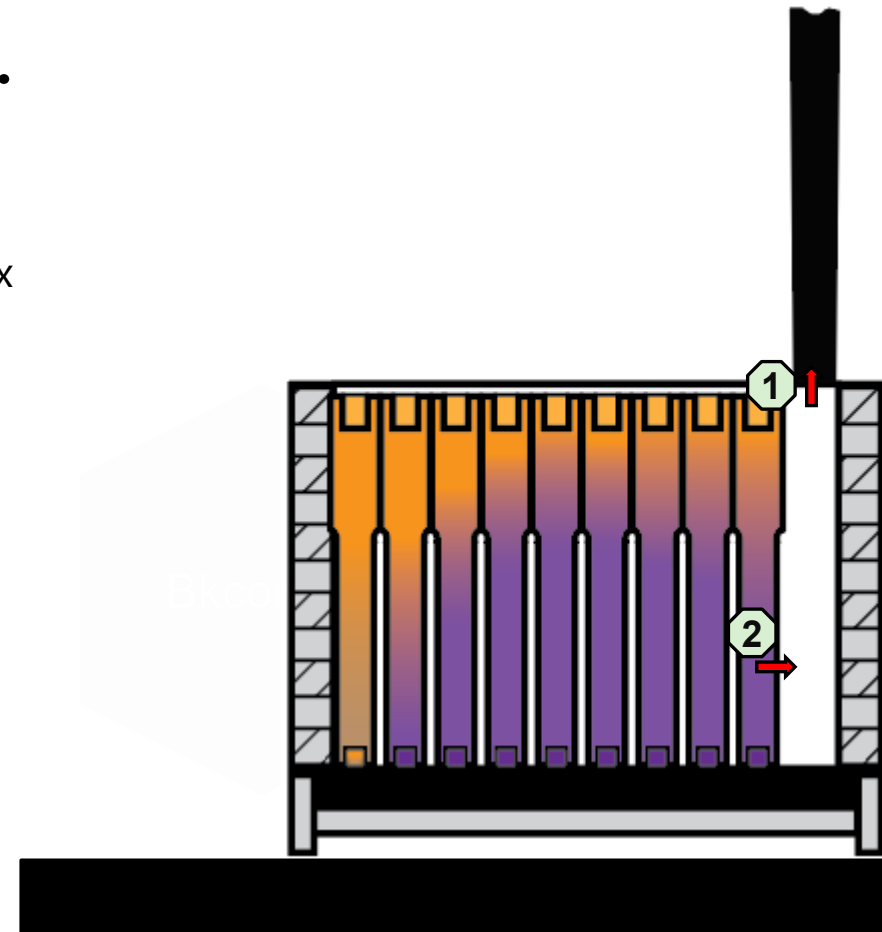
Steps for adding a second box above the colony



Adding the second box

□ When the frames are drawn....

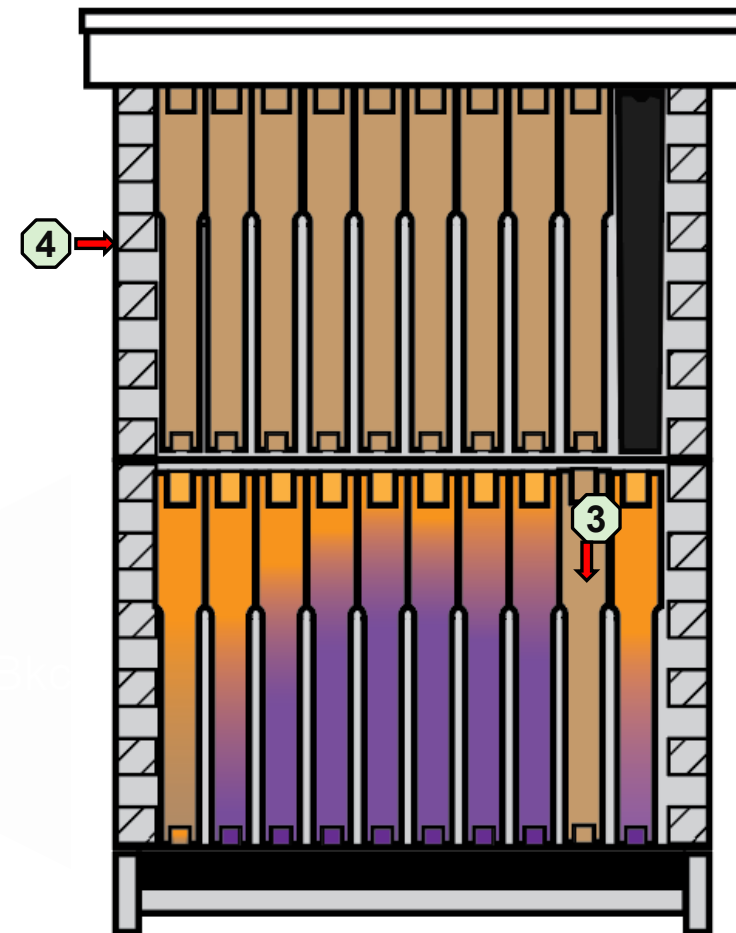
- *Perform the following changes:*
 - Step 1: Remove the feeder from the lower box
 - Step 2: Take the frame in position 9, and move it to position 10



Adding the second box

□ When the frames are drawn....

- *Perform the following changes:*
 - Step 1: Remove the feeder from the lower box
 - Step 2: Take the frame in position 9, and move it to position 10
 - Step 3: Take a foundation frame and put it in position 9
 - Step 4: Place the next box on top with 9 Foundation frames and an internal feeder in position 10.



When done, your configuration will look like this ^



What comes next...

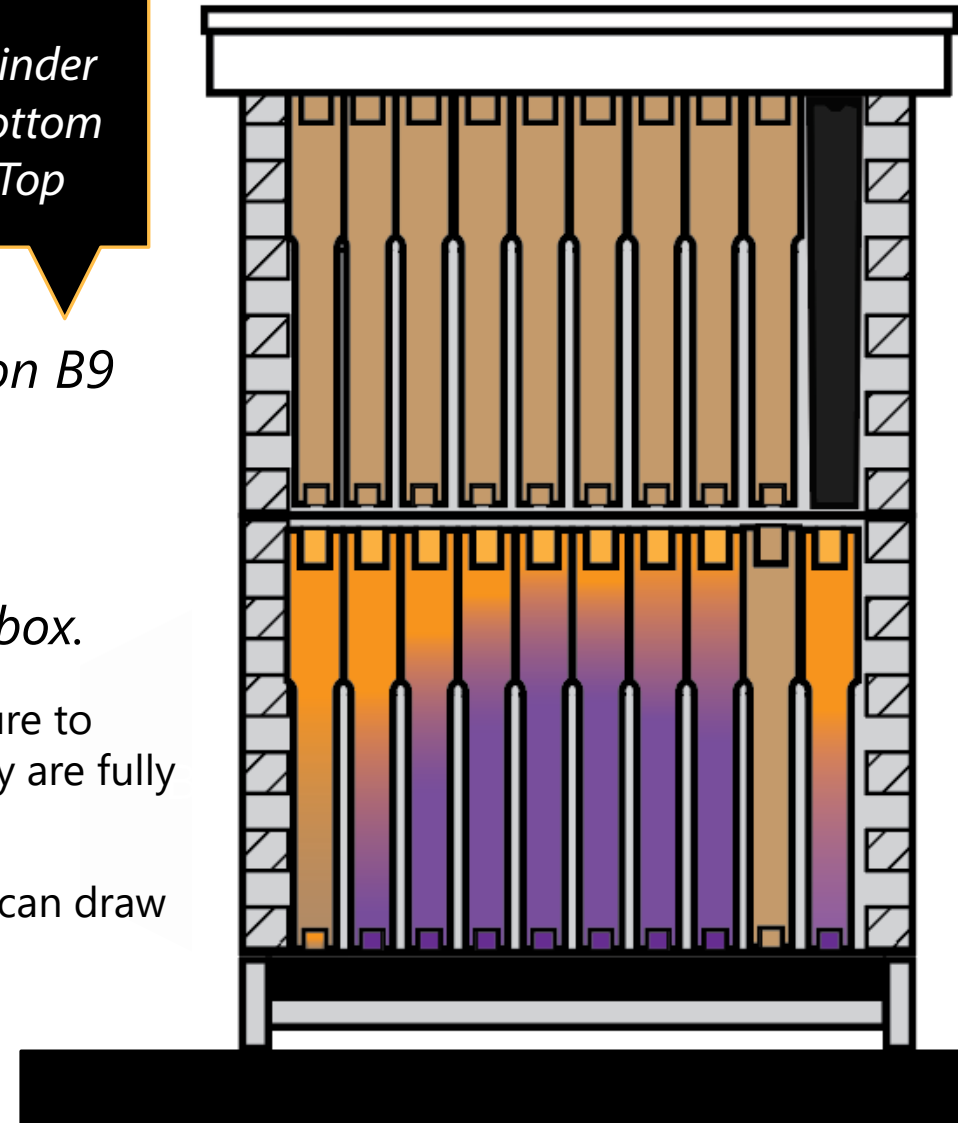
Reminder
B=Bottom
T=Top

❑ Finish the bottom box

- *The bees will draw out the comb in position B9*

❑ Building out the top box

- *They will commence building out the top box.*
 - When the top is near full, repeat the procedure to rotate the outer frames to the interior so they are fully drawn
 - You would also pull the inner feeder so they can draw frame T10

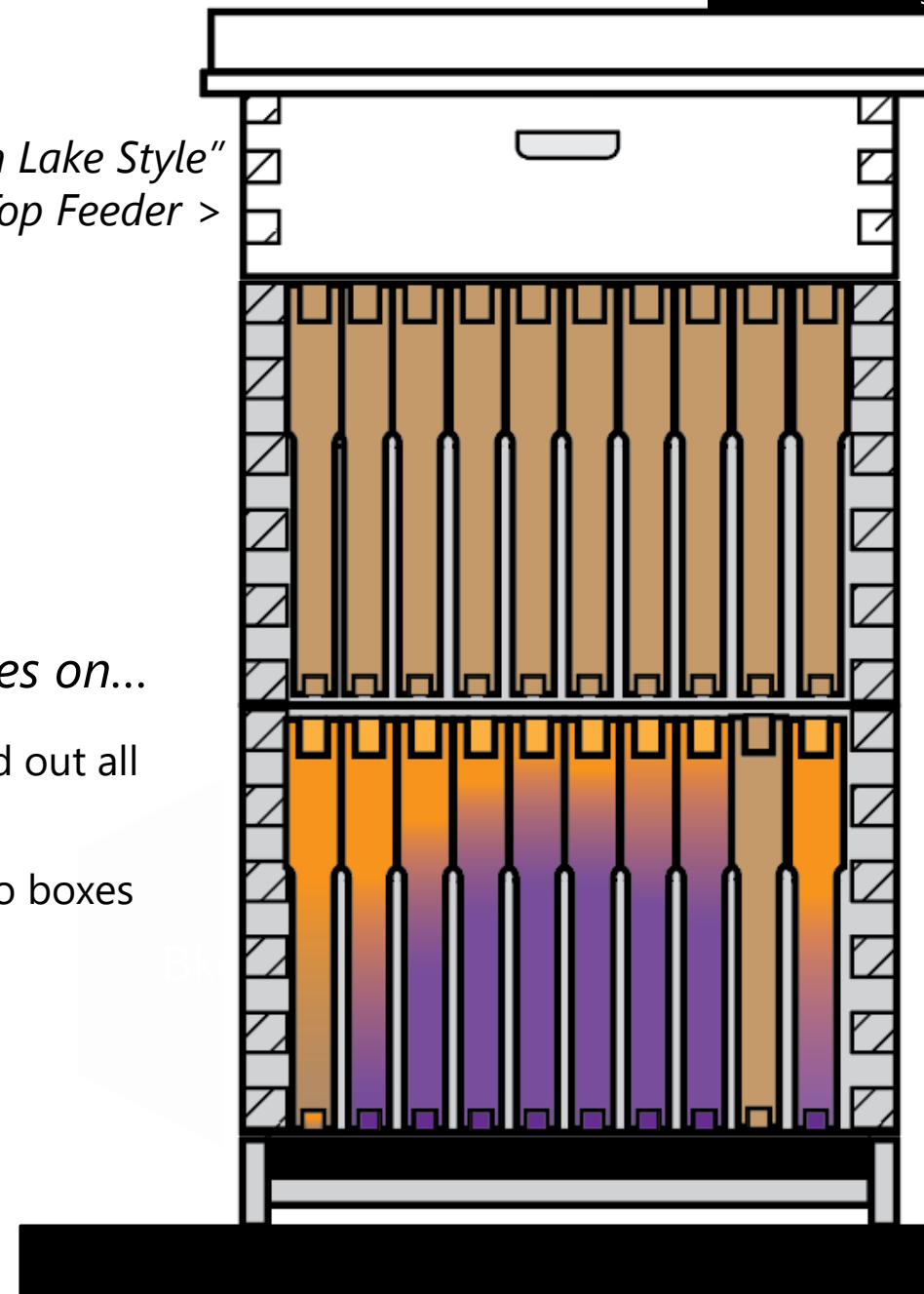


Recommended Alternative Feeder Configuration

❑ Swap Feeders

- *You can consider when the second box goes on...*
 - Pull the internal feeder, and let the bees build out all 10 frames.
 - Add the Mann Lake Style Feeder over the two boxes and feed the colony from the top.

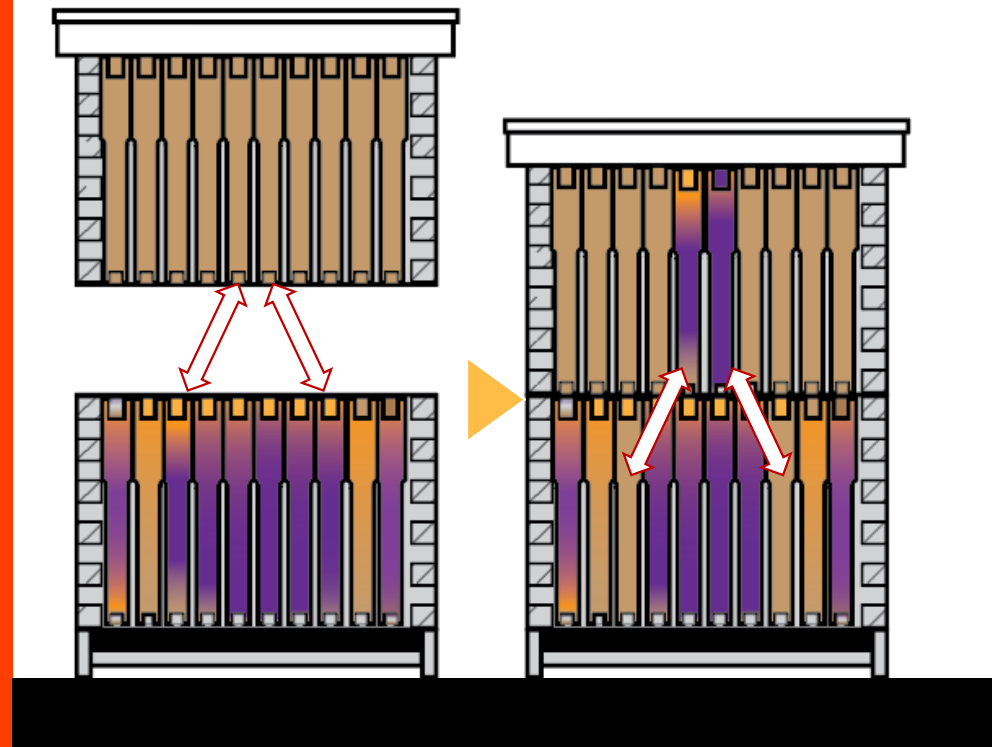
"Mann Lake Style"
Top Feeder >



An option to Consider

■ Moving to two boxes

- Optional move to entice the bees into the second box.
- Some suggest moving two of the brood frames up
 - *Center them over the bottom box*
 - *The two frames will draw the bees up into the second box*
 - [Probably overengineered] The bees will move up without this

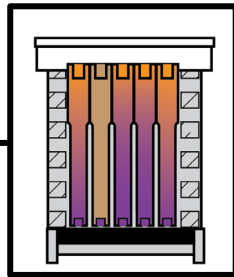


Full Progression

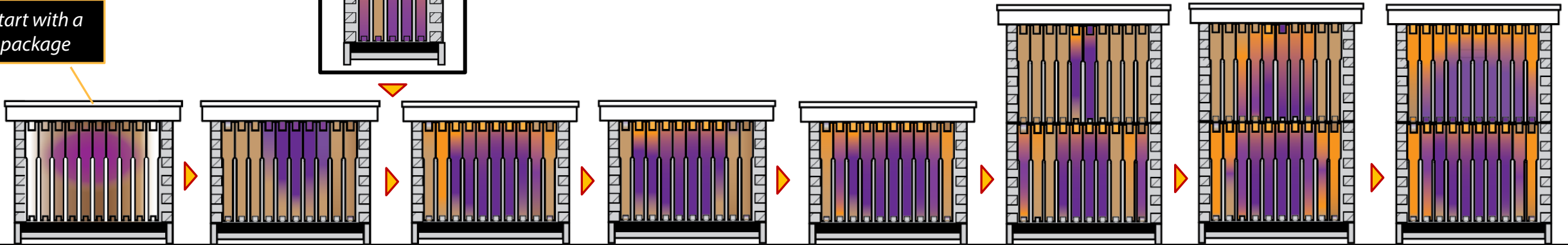
□ Second box to full

- *From Package or Nucleus Hive, to fully built out two deep hive*
 - This illustrative process shows the optional step of pulling two frames up into the second brood box to entice the bees...

Start with a
Nucleus



Start with a
package

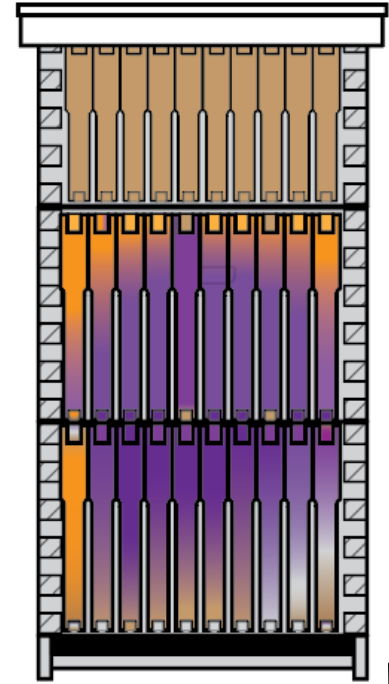
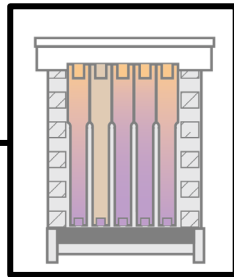


Full Progression

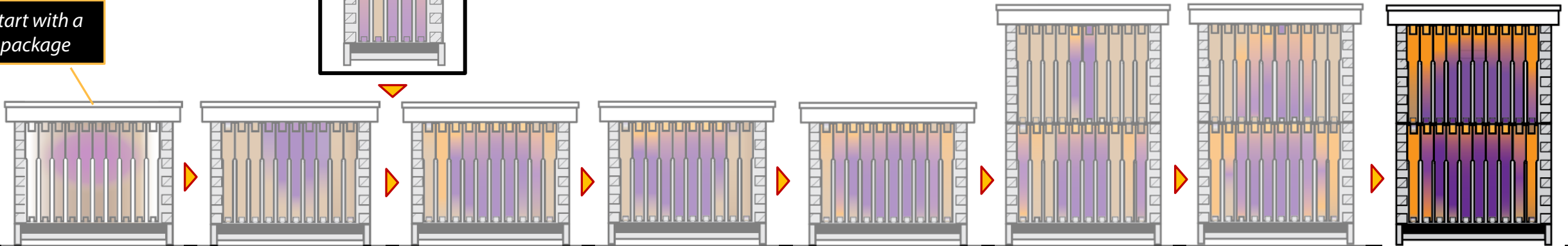
□ With Good Fortune > Honey Supers

- *If your colonies do well, you may get honey supers drawn*
 - It is a good season to get a honey super or two drawn; and an amazing season to get one or two honey supers full. It happens, and varies season by season

Start with a
Nuculeus



Start with a
package



Closing Comments

- **Customary Close**
 - Where we stand, where we are going...
 - *This module closes out the path progression from one box to two*
 - *Our next topic sets the stage for monitoring and managing pests of the hive*
 - Varroa Mite Management
 - Small Hive Beetles
 - Mite Monitoring
 - And Mite Treatment Options



Q&A

- **What Questions did we not anticipate?**
 - If you have feedback, you can leave a constructive comment; but be nice.
 - You could also send an email to comments@managedmentoring.com
 - *Please refer to this video in the subject so we know what the reference is.*

