



The Managed Mentoring Program  
on Getting Started in Beekeeping.

# Managed Mentoring



# Managed Mentoring

Top to bottom hive setup

Lesson | Introduction to Langstroth Equipment



# What is Covered in this Lesson

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The Langstroth Hive

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Configuration Options

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Management Styles

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# Hive Bodies

## ■ Langstroth Hives

- Lorenzo Langstroth invented the hive format that features movable comb in the late 1800s.
- The Langstroth hive form factor is the largest standard hive type in the world.

## ■ Langstroth Box Parts

- There are many variations on hive design, but the most common equipment features three hive body designs:
  - *Deep Hive Body*
  - *Medium Hive Body*
  - *Shallow Hive Body*
    - Shallow hive boxes are not as common these days.



# Hive Setups

## □ Hive Configurations have 'evolved'

- *Conventional beekeeping will show a preference for a certain way to house the bees.*
  - Traditionally the brood nest is kept in two deep boxes, and medium hive boxes are used on top for honey.
- *Over time different configurations have emerged as acceptable and conventional standards.*

*The next few slides will review some basic ways to host bees, and it will follow with a recommendation.*

### *Terminology*

#### **Brood:**

Brood is another way to refer to the bees being raised in the nest.

*The area of the bees within the hive where new bees are being raised is considered the nest.*

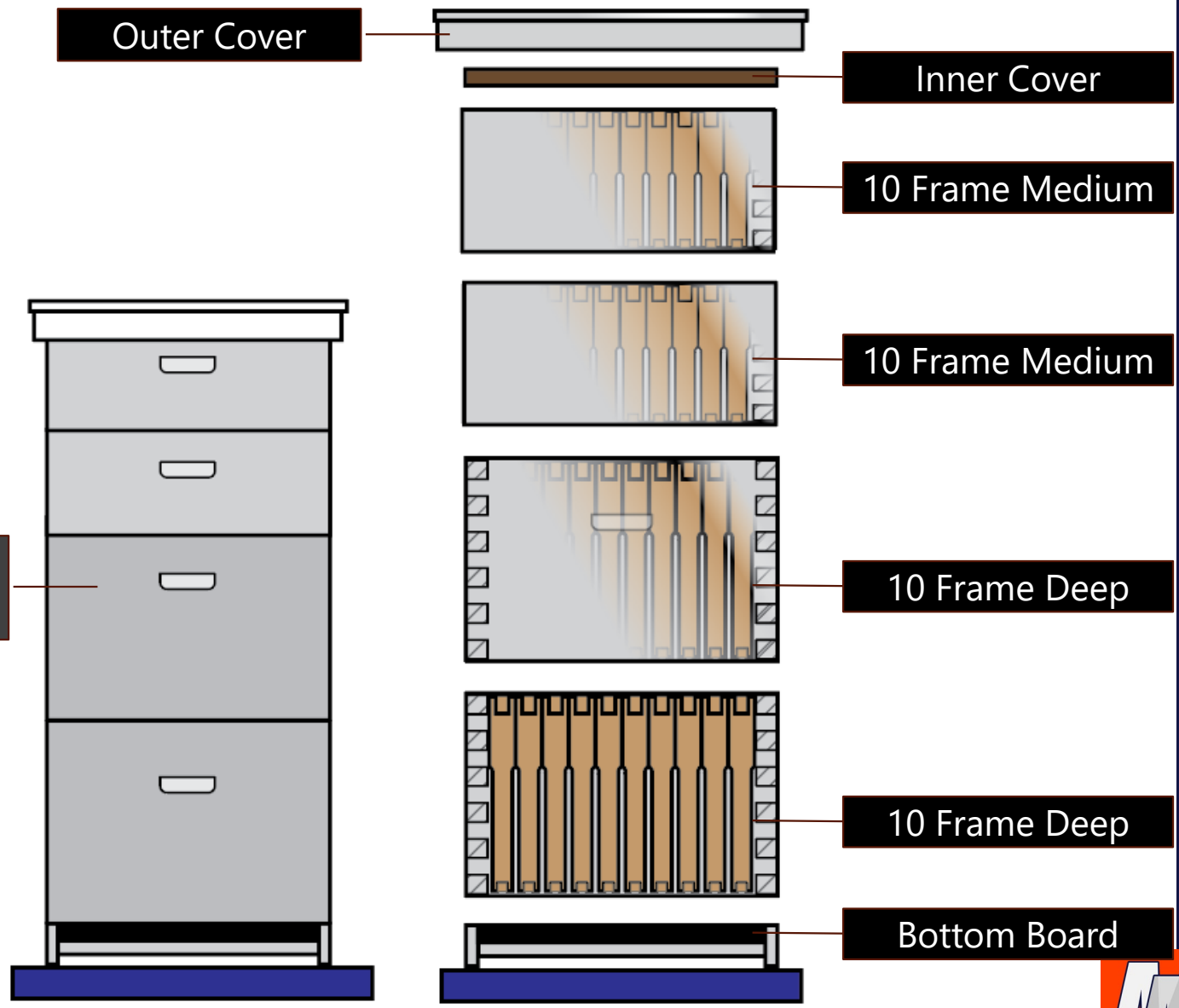
*Acknowledging Different Configurations*

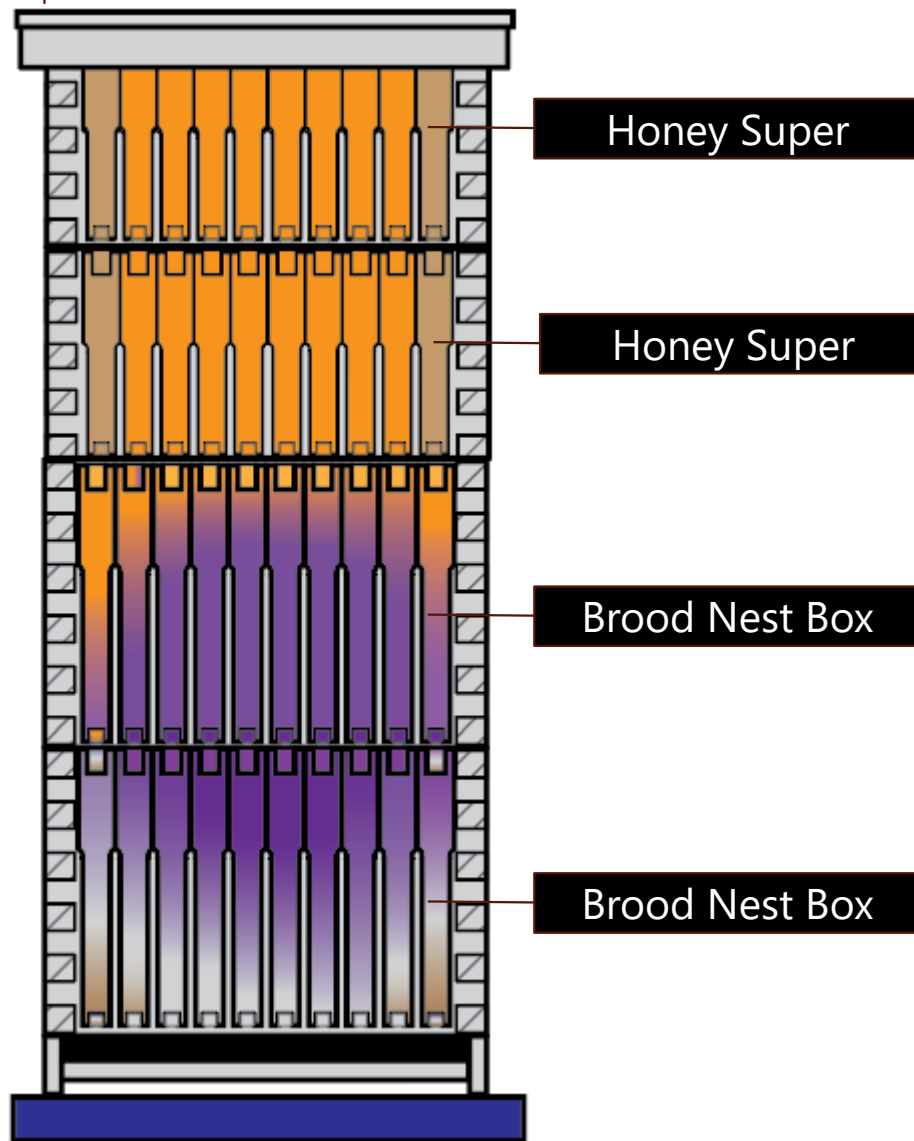


# The Conventional Stack

*Two Deeps  
Two Mediums*

A Conventional Hive Setup



A Conventional  
Hive Setup

# The Conventional Stack

*Purpose of the  
equipment*

## *Terminology*

**Super:** A box that sits above the brood chamber is called a 'super'.

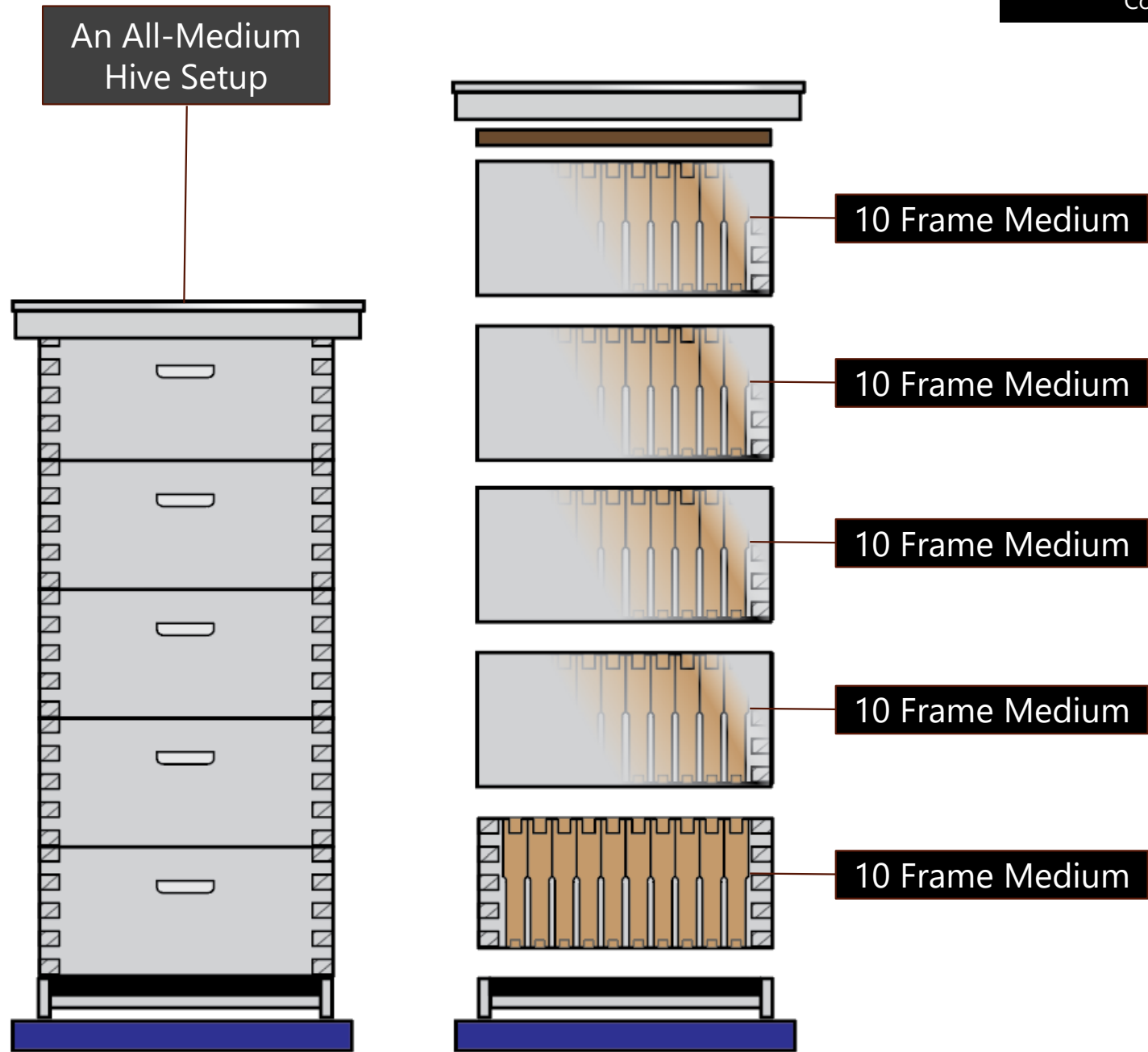
*The term is often inferred to derive from superior, or above.*

*Instead of deeps, medium supers are used to lower the weight of honey boxes*

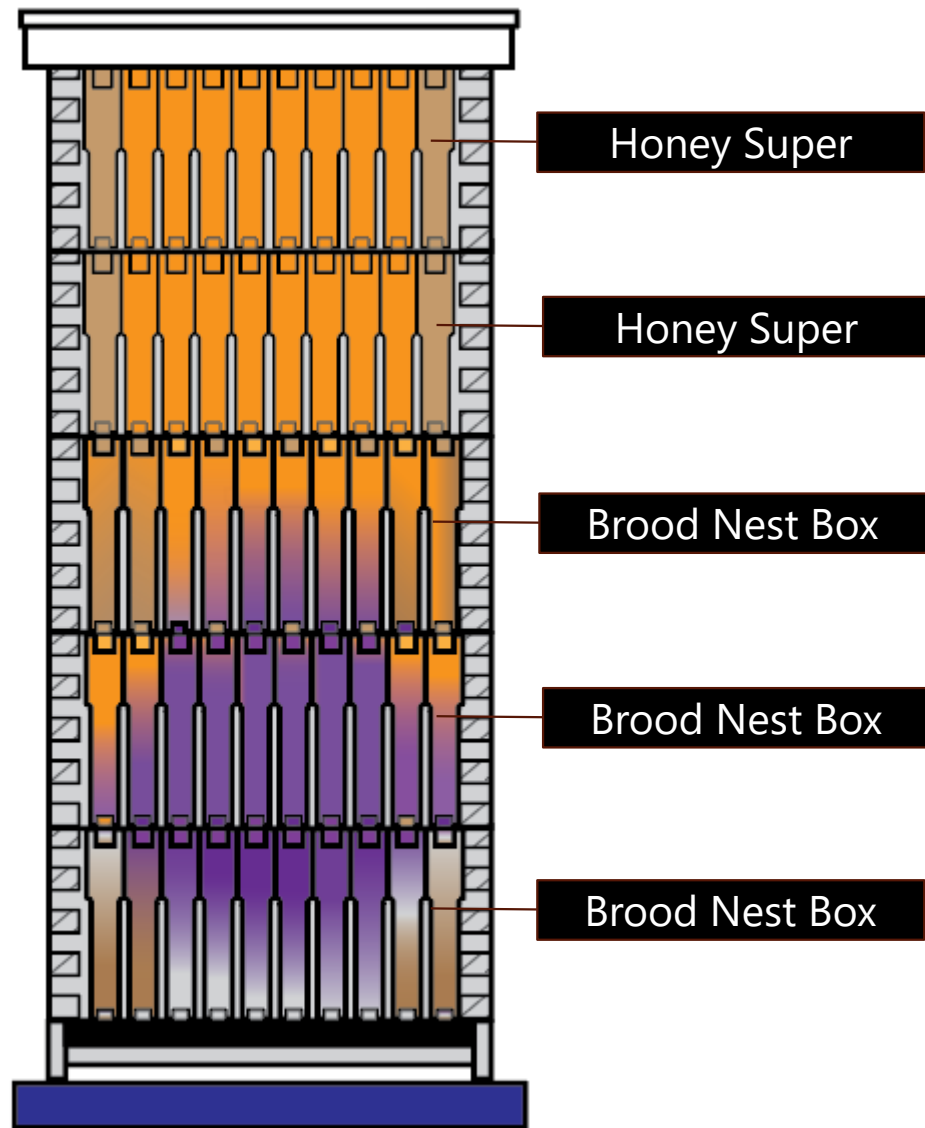


# An Alternative Popular Stack

*All Mediums reduce per box weight.*





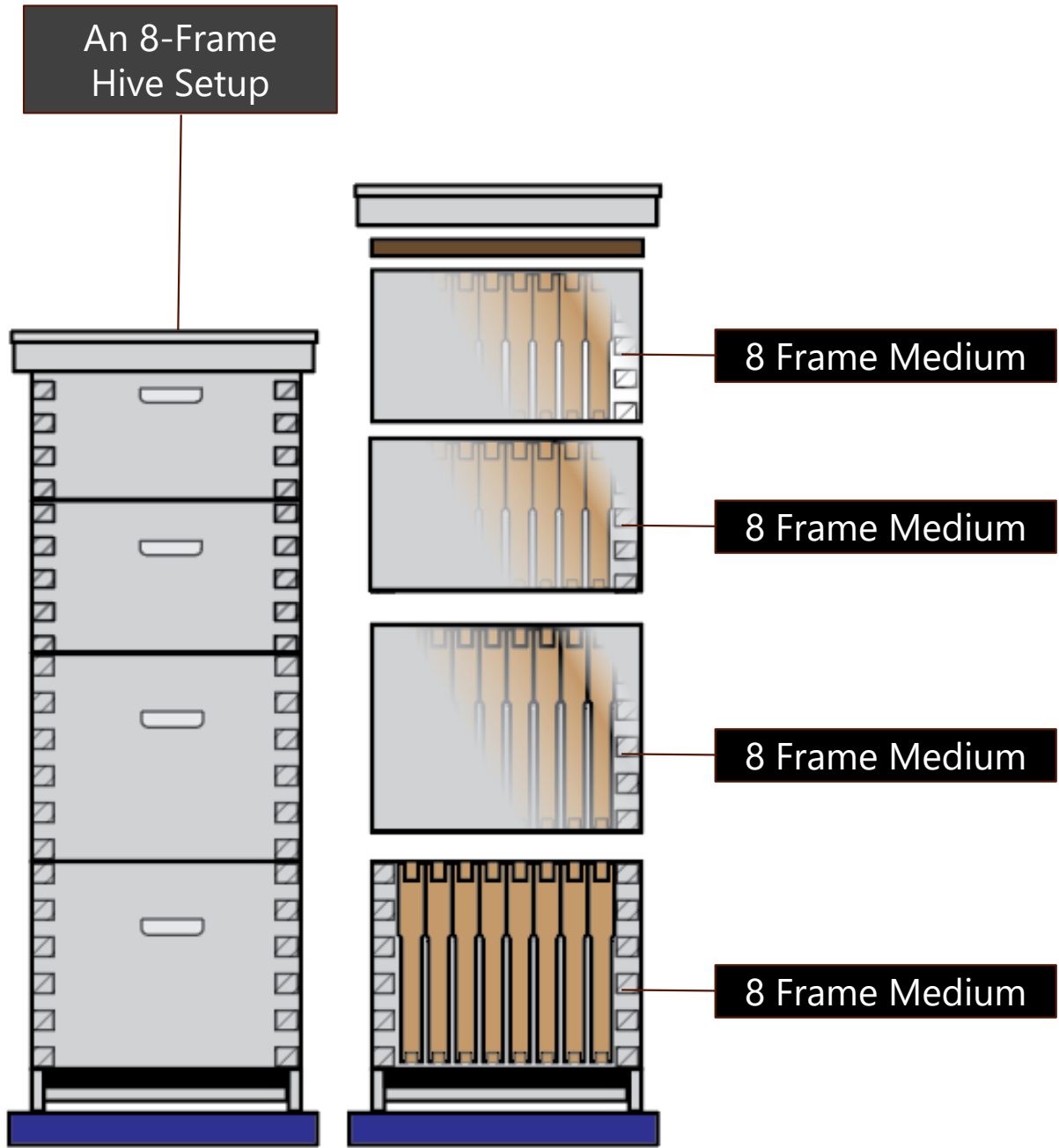
An All-Medium  
Hive Setup*Terminology*

**All-Medium:** A management style that uses only medium sized hive bodies.

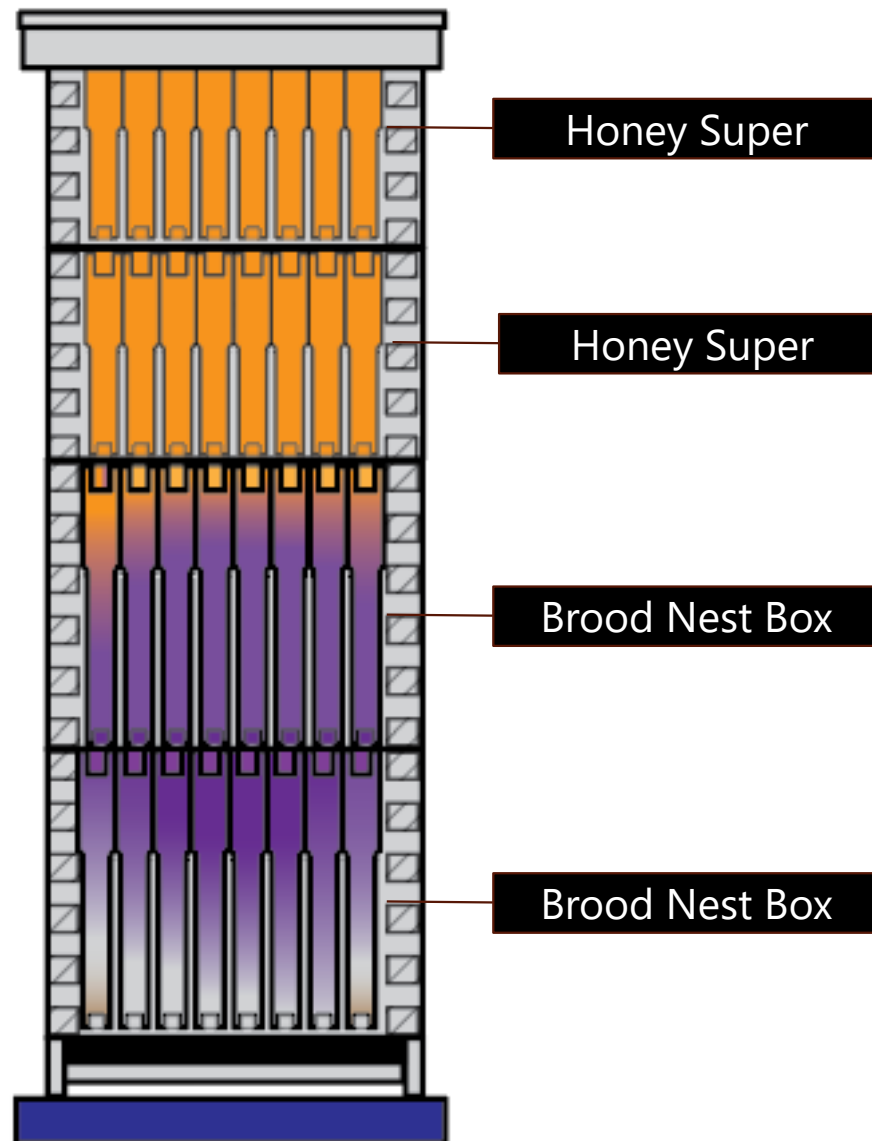
# All Medium Build Out



# 8-Frame Hive Setup



# 8 Frame Build Out



- It's the same as a 10 frame but narrower.



# Langstroth Polystyrene Hives

## Polystyrene Hives

- **High Density Foam**
  - Employed for their insulative properties
- **Langstroth Dimensions**
  - These use standard Langstroth frames inside.
- **Build Out**
  - This is the same as a two deep hive configuration.
    - *It just uses poly equipment.*

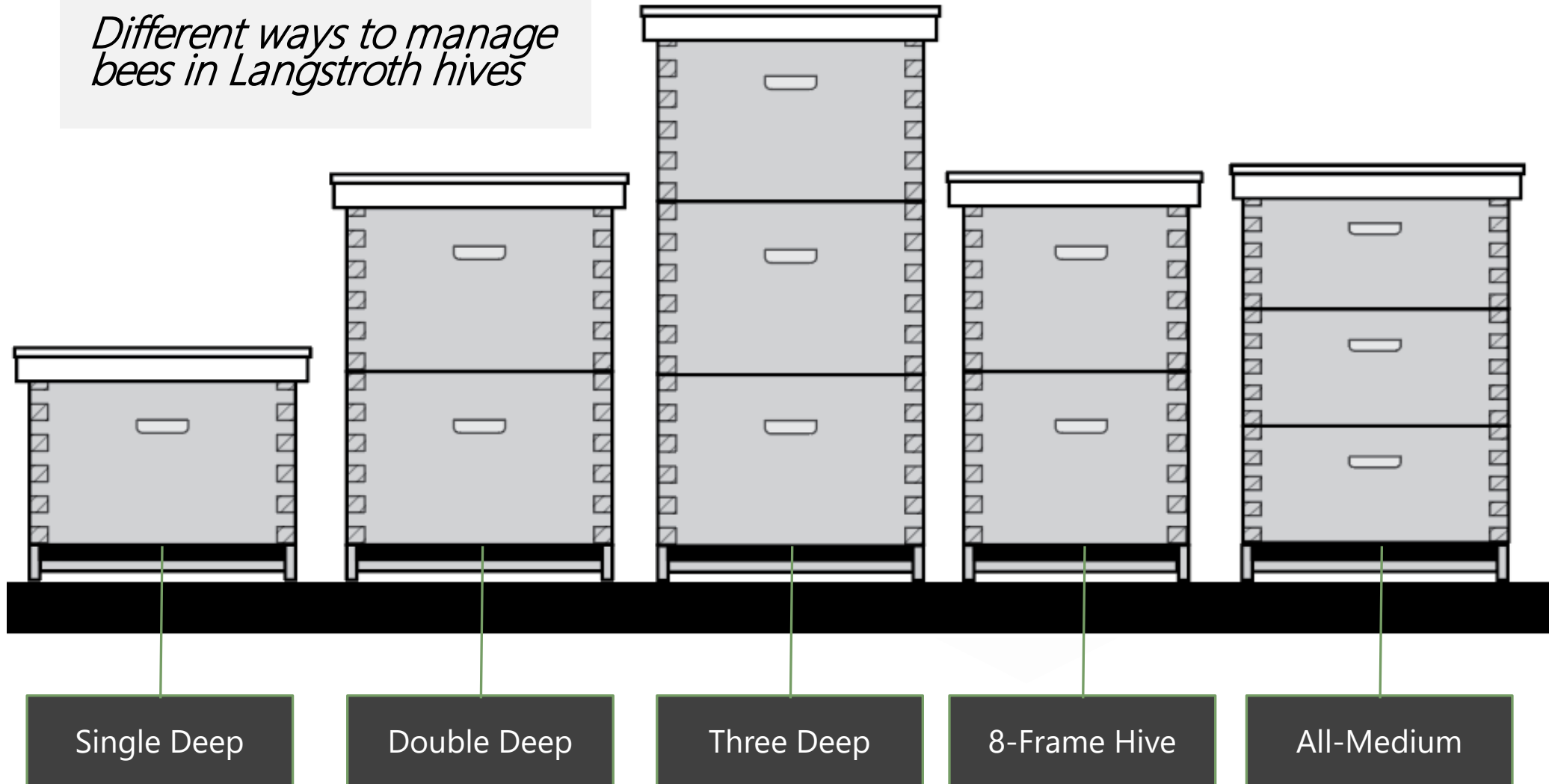


# Management Style Methods



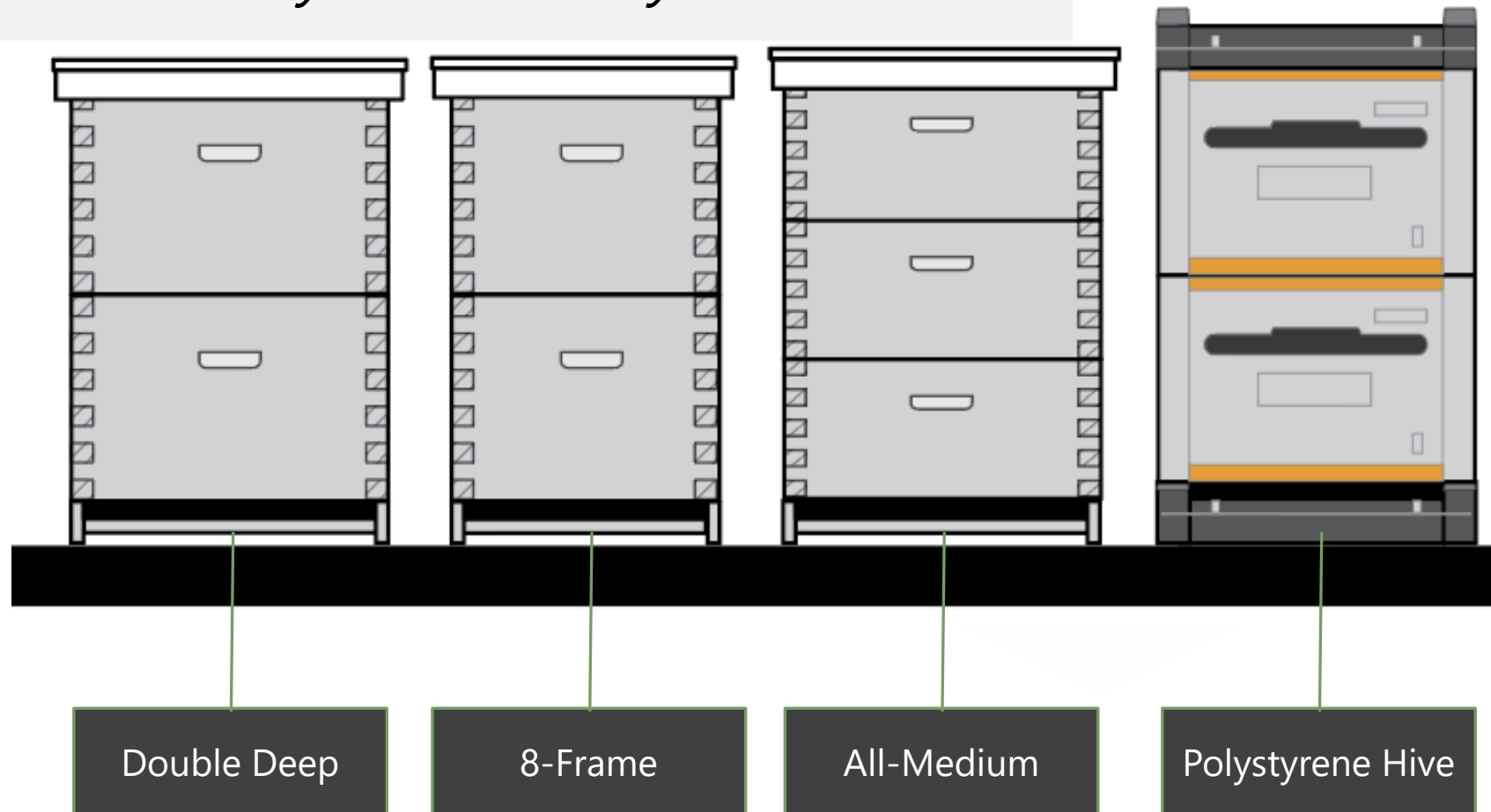
# Many management styles have emerged

*Different ways to manage bees in Langstroth hives*



# Recommended Configurations

*Four common hive setups to choose from  
We are ok if you choose any one of these.*



# About equipment – *this presentation*

- **The goal is to introduce the stack**
  - In a later session we will cover where, how, and what to buy – and we will share advice and make recommendations.
  - For this session, its purpose is along the line of 'getting to know' the equipment, and its function.
  - In the next module we will recommend how to source your kit.
  - Also note that in a future module we will cover recommendations for construction, painting, and assembly.





# Closing Comments

## ■ Customary Close

- Where we stand, where we are going...
  - *This lesson provided an introduction to the different hive configurations and styles.*
  - *In our next lessons we will progress to a detailed look at the hive equipment pieces and more.*
    - Review of the individual **Langstroth Equipment Pieces** in a hive stack
    - Some tips for **Purchasing Hive Equipment**
    - And information about **Other Beekeeping Equipment** for your kit.
    - Recommendations for buying **Protective Gear**



## Q&amp;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](mailto:comments@managedmentoring.com)
    - *Please refer to this video in the subject so we know what the reference is.*

