

OHIO STATE UNIVERSITY EXTENSION

Equipment Basics


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SW Ohio Bee School
Clermont County

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Early Beginnings



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Langstroth Hives

- LL Langstroth combined “bee space” and moveable frames
- Father of American beekeeping




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Langstroth Hive Uncovered: Hive stands



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Hive Stand Functions

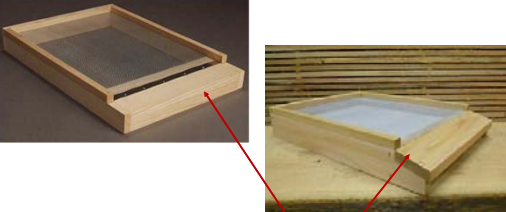
- Elevate the hive to protect from skunks, mice, other rodents.
- Weather protection (flood, snow, rain, soggy soil, etc.)
- Oh, my aching back!

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Langstroth Hive Uncovered: Bottom Boards




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Landing board

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Langstroth Hive Uncovered: Bottom Boards



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Langstroth Hive Uncovered: Entrance Reducers or Mouse Guards




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Langstroth Hive Uncovered: Deeps



- 19-7/8 inch by 16-1/4 inch
- 9-5/8 deep
- AKA Brood Box/Chamber
- Hives usually have 1-2 deeps
- Various wood types
- Can be painted

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Langstroth Hive Uncovered: Inside the Deeps



- 10 frames
- 9-1/8 deep
- Wax or plastic (waxed-rite) or foundationless
- Wired or unwired



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Langstroth Hive Uncovered: Inside the Deeps



- Starter strips
- Foundationless



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Langstroth Hive Uncovered: Inside the Deeps




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Langstroth Hive Uncovered: Mediums/Shallows/Supers



- 10 frames
- 6-5/8 deep
- Honey storage



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Langstroth Hive Uncovered: Lingo recap

Deep(s) = brood box = brood chamber = deep
super = deep box

Supers = honey supers = mediums = shallows

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Langstroth Hive Uncovered: Inner Covers




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Langstroth Hive Uncovered: Telescoping Covers



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Optional Hive Equipment: Queen Excluders



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Must Have Inspection Gear: Hive Tools



- 9-9.5 inch hive tool
- J Hook hive tool
- Either one, just get two
- Inexpensive

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OHIO STATE UNIVERSITY EXTENSION

Must Have Inspection Gear: Smoker

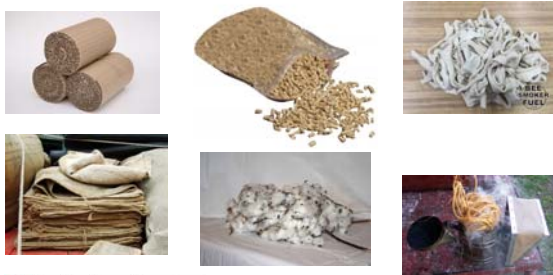


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Must Have Inspection Gear: Smoker fuel




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Optional Inspection Gear



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Personal Protective Equipment (PPE): Suit Up!

Zippered closure

Veil

Thumb loops

Elastic closures

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PPE: Veils and Hats

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PPE: Gloves

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Specialized Equipment




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Feeding Equipment: Boardman Feeder

- Easy set-up
- Cons
 - Quarts/pints
 - Robbing
 - Far from cluster




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Feeding Equipment: In-Hive or Division Board Feeder

- Next to cluster
- Easy to re-fill
- Problems with re-filling
- Problems with drowning




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Feeding Equipment: Plastic bag feeders

- Simple, gallon plastic Ziploc ©



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Feeding Equipment: Pails with perforated lids

- Similar to Boardman
- Closer to cluster
- Larger capacity
- Need extra supers to enclose it




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