

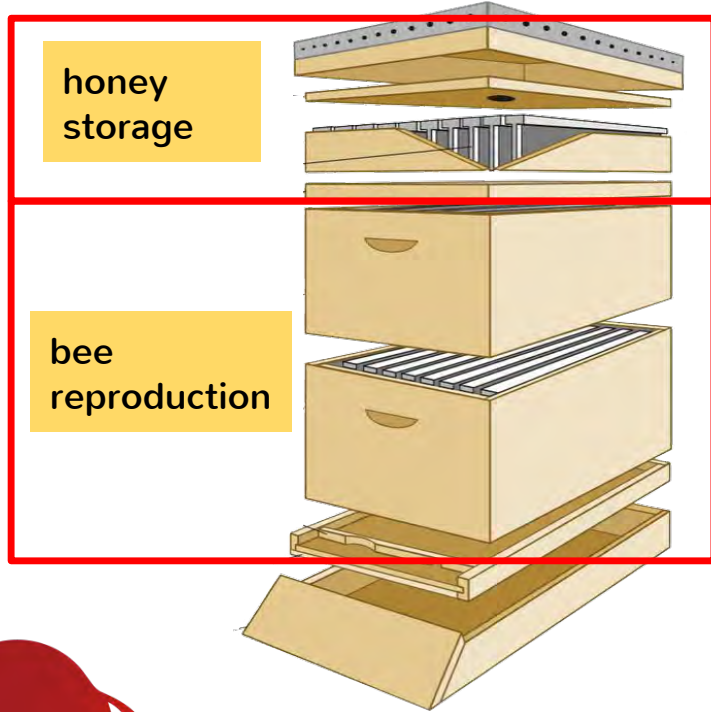


B

Bee Box

expanding beehive system

Beekeeping - what's all the buzz about?



No existing beehive solves the lifting problem

Standard



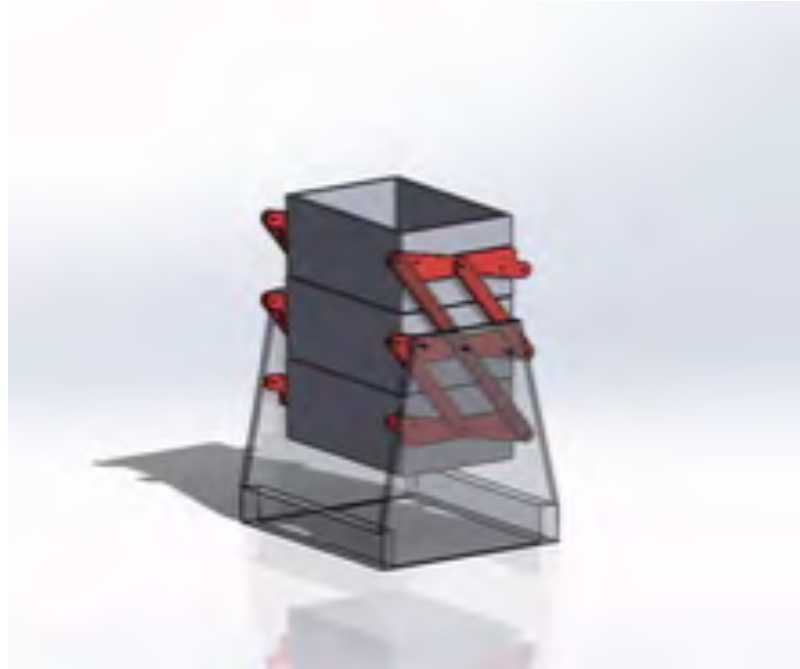
Plastic



Flow Hive



Bee Box offers accessibility to each box while reducing the need to lift



Key needs for beekeepers



STABILITY



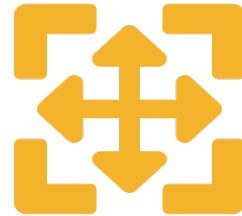
ACCESSIBILITY



LIMITED
GAPS



TRADITIONAL



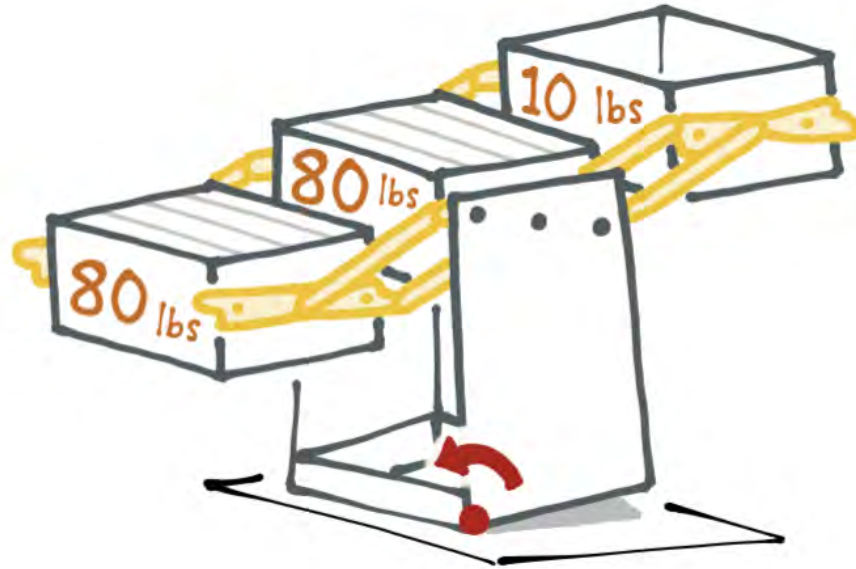
EXISTING FIT



FAIR PRICE

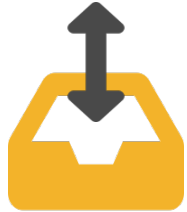


Can an expanding beehive withstand the moment imbalance across the boxes?



Where are we flying next?

MODEL TAKEAWAYS

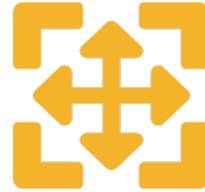


Lifting force
reduced by 80%



Hive remains
stationary and
stable when locked

NEXT STEPS



More precise
representation of
each hive component



Focus on removing the
gaps between boxes
and joints



A stylized logo featuring a white letter 'B' with a black outline, centered within a dark red circular shape. This circle is part of a larger, layered red graphic that resembles a planet with rings, extending from the top left towards the center of the slide.

Appendix

Beekeeping Landscape

\$815M

2019 revenue [2]

Standard



\$288 sale price

Plastic



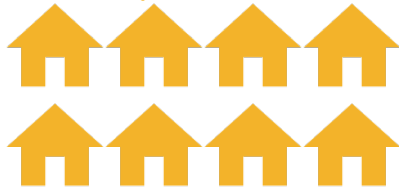
\$380 sale price

Flow Hive



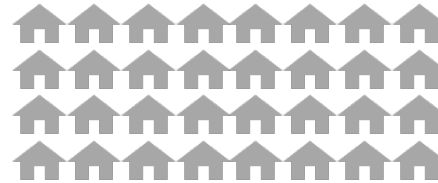
\$699 sale price

Hobbyists



<30
Colonies

Commercial

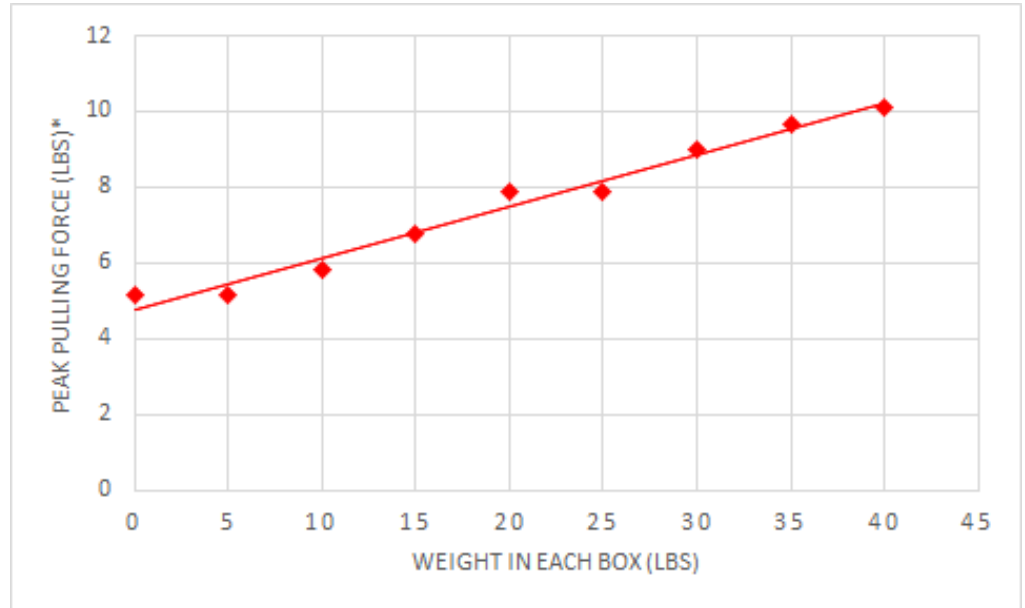


>250
Colonies [3]



Pull-Apart Testing

- Peak force for 80 lb boxes is 16 lbs
- Avg. pulling force is constant 4.5 lbs for all box weights



* Pulling force is measured normal to rotating linkages



Bee Box Sources

[1] Inglin, Kevin. "Harvesting Honey" *Northwest New Jersey Beekeepers Association: a Branch of the New Jersey Beekeepers Association*. <http://www.njbeekeepers.org/nwba/documents/Harvesting%20Honey%20Notes.pdf>

[2] 2019, "IBISWorld Industry Report 11291: Beekeeping in the US,"
<https://clients1.ibisworld.com/reports/us/industry/keystatistics.aspx?entid=68>

Pates, Mikkell, 2015, "South Dakota-based bee enterprise largest in the U.S." (accessed 30 Oct 2019)
<https://www.agweek.com/news/3858982-south-dakota-based-bee-enterprise-largest-us>

Industry metrics: "Honey Industry Facts" (accessed 2 Oct 2019) <https://www.honey.com/newsroom/presskit/honey-industry-facts>

