



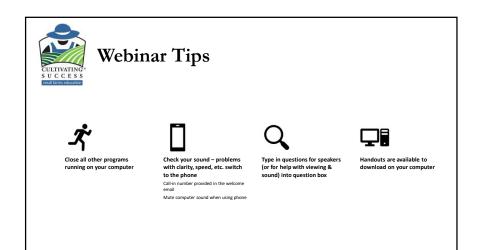
Today's Presenter(s)



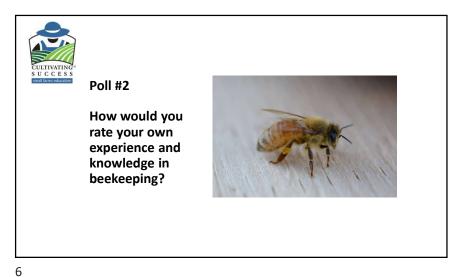
Jennifer Werlin Extension Educator in Community Food Systems, Teton County University of Idaho Extension jwerlin@uidaho.edu



Colette DePhelps, moderator Area Extension Educator in Community Food Systems, Northern District University of Idaho Extension cdephelps@uidaho.edu











- Hive location with water source
- Finding a bee club and/or mentor
- Equipment and hive stands
- Style of Hive: Choosing what is right for you and your climate/resources





Warré:

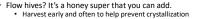
- Pros: Less inspection time, the cavity size may be more efficient like a tree cavaty; hands-off beekeeping
- Cons: frames not removed (most states require removable frames); hard to add super boxes





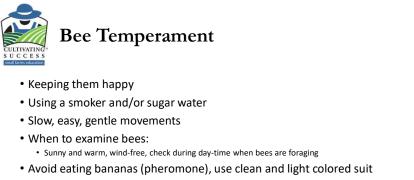
• Components of a hive (Langstroth)

- Bottom board
- Screened vs. not
- Entrance reducer
- Queen excluders Brood and honey supers
 - consider 8 or 10 frames
- deep or medium depth
- Paint color
- Frames and foundation
- Wood vs. plastic; beeswax, foundationless, black vs. white
 Lids
- Telescoping (metal) and inner cover vs. migratory
 Flow hives? It's a honey super that you can add.



9





OUTER COVER

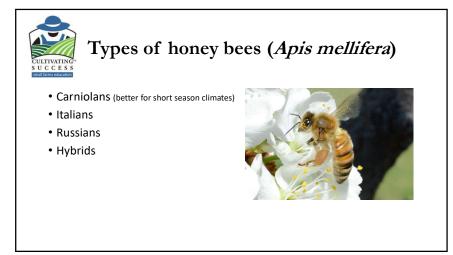
EXTRACTING

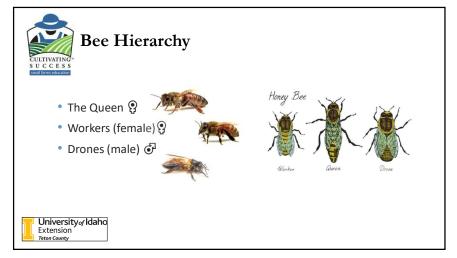
MIVE BOON

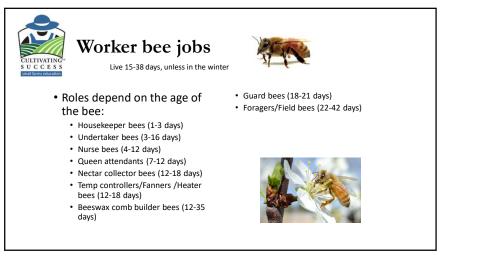
BOTTOM BO

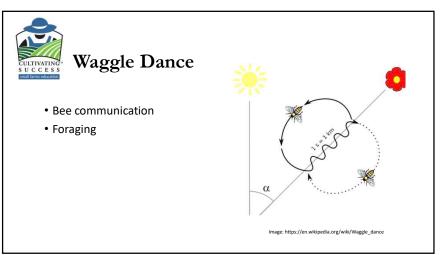
https://projects.ncsu.edu/cals/course/ent425/text01/apiculture.htm

• Check for their disposition

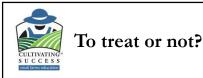








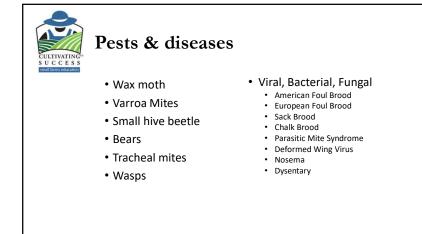






• Treatment free vs. treatment

- Prevention: Seek out resistant bees (e.g., Russian/survivor bees/resistant bees with Varroa sensitive hygiene (VSH)). Hygiene.
- Screened bottom boards for increased ventilation; control of hive beetles; can help with sugar shake method (sugar and mites fall off on sticky board); screened boards may make it more difficult for hive to stay warm.
- Monitoring: mite counts
- Using Integrated Pest Management (IPM); treatment free can be challenging; residue will remain from treatment.
- Lots of products out there. Use an integrated approach. Organic treatments are out there like HopGuard, Apilife Var, Oxalic Acid





- Frequency varies throughout the year
- Look for:
 - Queen, brood, room in honey supers, health of bees, brood pattern
 - Brood pattern: eggs, open brood, capped brood, queen cells/cups
 - Honey pollen stores
 - Capped honey
- Work from outside in. Only need to look at middle one or two frames in brood nest of top box.





• Extracting:

- Tools: Knife, capping scratcher, strainer/mesh bag, buckets, extractor
- Pros/cons: saves comb, \$\$
- Crush and Strain
 - Tools: scraper/knife, strainer, buckets, Pros/Cons: cheap, but can destroy comb
- Cut Comb

21

- Tools: knife, storage container
- Pros/cons: easy, uses some drawn comb



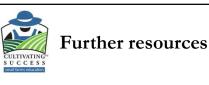


Winter Prep

- Manage hive for health beginning in spring
- Don't over harvest
- Clustering space
- Keep colonies young and vigorous
- Provide good habitat (nutrition, safety, etc.)
- Be proactive
- Monitor for pests



22



• Recommended Websites:

- The National Honey Board: www.honey.com
- Honeybee Health Coalition: <u>www.honeybeehealthcoalition.org</u>
- The Magazine of American Beekeeping www.beeculture.com
- American Bee Journal: <u>www.americanbeejournal.com</u>
- Project Apis m.: <u>www.projectapism.org</u>
- University of Minnesota Bee Lab: www.beelab.umn.edu
- USDA Diagnosis of Honey Bee Disease: www.ars.usda.gov/is/np/honeybeediseases/honeybeediseases.pdf Randy Oliver: www.scientifcbeekeeping.com
- Books: The Backyard Beekeeper by Kim Flottum; The Beekeepers Bible; Beekeeping for Dummies, etc.







