

Recording 5/10/2023 Project Orientation: <https://youtu.be/3QcNVHl8YaQ>

Signup

- You must have paid your annual dues. If you took a class since last October, you paid the dues with your class fees.
- Email eliochel@snokingbka.org if you can commit to all or some of the Saturday 1 to 3PM Maltby sessions. If so, indicate which of the following: May 13, 20, 27; June 3, 17, 24.
- If you can do Tues/Wed sessions, please indicate that also. There will be some steps that can be done mid-week.
- Sign the clipboard when you come in so that we can keep track of your hours. The first 21 people who sign up and show for 3 or more sessions we can guarantee a proven queen on a frame of her own brood. We will also probably have lots of extra queen cells that can be taken home mid-project.
- We will send weekly emails with updates and recommended resources.
- If enough people are interested, we will start another session of grafting June 3 at Maltby or maybe Sundays at Granite Falls.

8 weekly sessions, Maltby Hiveside, 15324 228th ST SE, Snohomish 98296 SnoKing Beekeepers

In advance – preparation & inventory

Every week – check feed

- 5/13 --W1 – Set up cell builder/starter (queenless condition)
- 5/20 -- W2 – Remove supersedure cells; graft
- 5/23-5/24 -- W2+ Set up mating nucs. Place hair curler cages, still open on excess accepted cells.
- 5/27 -- W3 – Set up mating nucs/destroy supersedure cells. Transfer cells. Give away queen cells if too many; close remaining hair curler cages.
- 5/30 – 5/31 W3+
- 6/3 -- W4 – discard unemerged; renew cell builders;

graft more if desired

- 6/10 -- W5 – may observe mating flights; need substitute Hiveside manager
- 6/17 -- W6 – may see eggs
- 6/24 – W7 – check laying pattern, worker brood
- 7/1 -- W8 - Distribute queens with frames of brood; renew mating nucs

For Quality Queen Production

1. eggs from breeder queen stock
2. high % nurse bee population
3. Flow – natural or artificial (syrup & patties)
4. Create queenless starting condition
5. Drones – flying or purple-eyed at graft time
6. Mating weather 18+ days after graft
7. Mating nucs/queen castles
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Creating Queenless Condition:

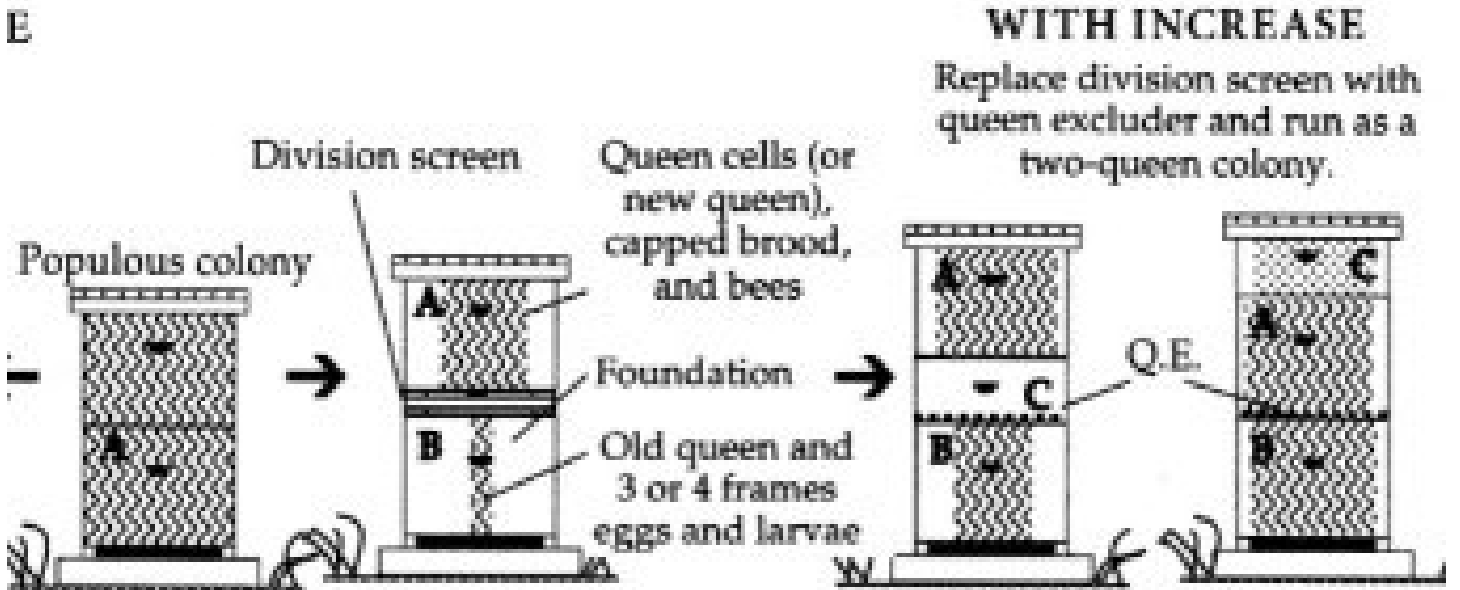
- No queen in hive
- Distance from resident queen (Demarre)
- Blocking pheromones
 - Double screen (Snelgrove)

- Cloake board

All queen rearing methods – KISS!

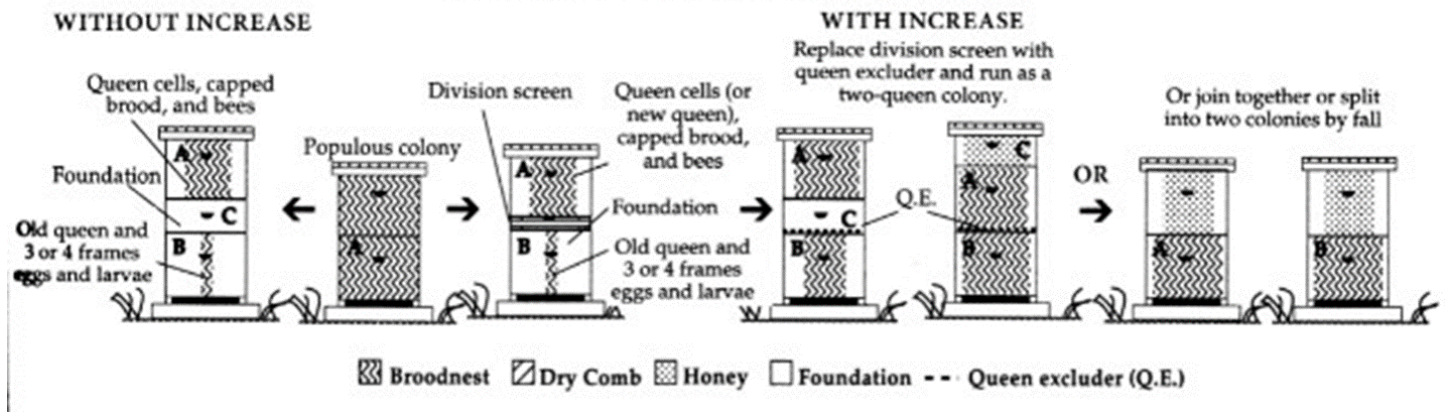
- → **queenless** state
- → **build out** queen cells around fertile eggs
- → strong nurse bee population (hive support*)
- provides **nutrition and brood care**
- → move capped cells at 10 days into **mating nucs**
- → **evaluate** brood pattern

Modified Demaree Method of Swarm Control

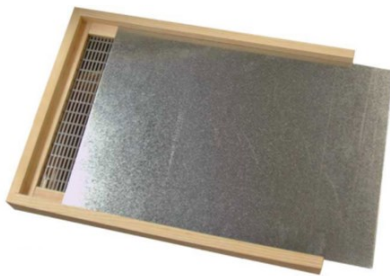
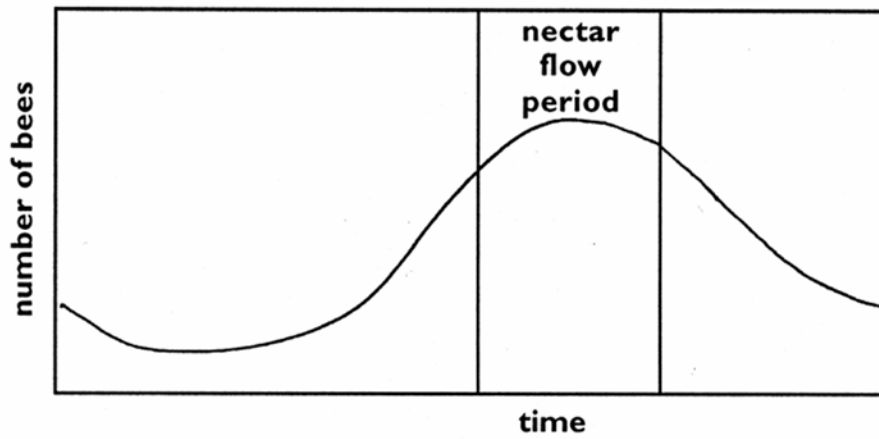


Broodnest
 Dry Comb
 Honey
 Foundation
 - - Queen excluder (Q.E.)

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Cloake



Snelgrove



Demarre

<https://bees.wsu.edu/event/2023-honey-bee-queen-instrumental-insemination-workshop/>

\$1500

<https://bees.wsu.edu/event/queen-rearing-and-bee-breeding-workshop/> \$325

<https://www.westsoundbees.org/> offered in alternate years

Key Peninsula Beekeepers – June 3, Sat 9-3

PNW Queen Rearing Club?