

Bee-lovers' Class 2025



1

Crossbreeding and Queen Rearing



2

Bee Breeds

- ◉ Carniolian



- ◉ Caucasian



- ◉ German



- ◉ Italian



3

Paternal/Maternal Lines –your best stock



4

Natural Procreation

◉ Swarming



◉ Natural Q Death



◉ Man-made split



Procreation results are best during your best Honey flow (flower blooms Producing both pollen and Nectar)

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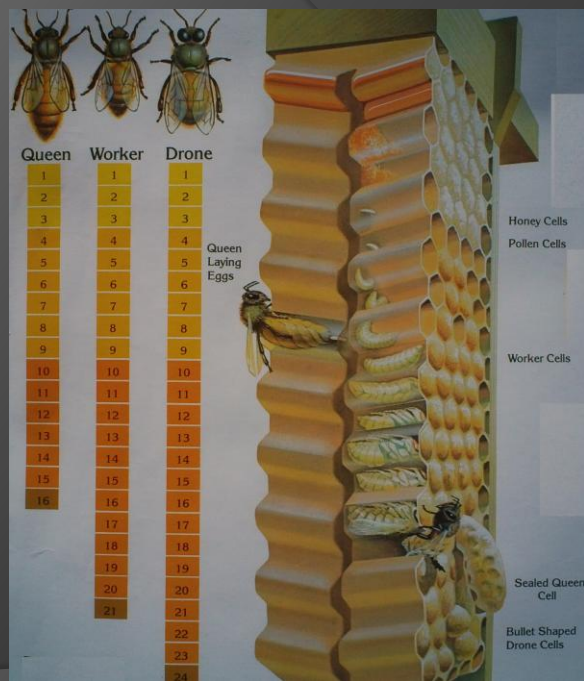
From Egg To "Birth"

Procreation results are best when the colony is full of bees of all stages of life. If the colony had no queen for a long time, they will not be able to produce a new queen

Chart legend

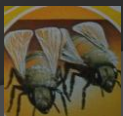
Numbers represent Days of development

Period As Egg
Period As Larvae Feeding
Larvae Spins Cocoon and Transforms Under a Closed Cap
Bee Emerges



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Days 1-21 Job Assignments (Hive Bee)

1	Cleaning Cells and	
2	Keeping Brood Warm	
3	Feeding Older Larvae	
4		
5		
6	Feeding Younger Larvae	
7		
8		
9		
10		
11		
12	Producing Wax	
13	Building Combs	
14	Transporting Food	
15	Within the Hive	
16		
17		
18	Guarding Hive Entrance	
19		
20		
21		

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Nectar/pollen producing plants

◉ Mimosa



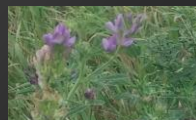
◉ Sunflower



◉ Sweet clover



◉ Alfalfa



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Nectar/pollen producing plants

◉ Goat Weed



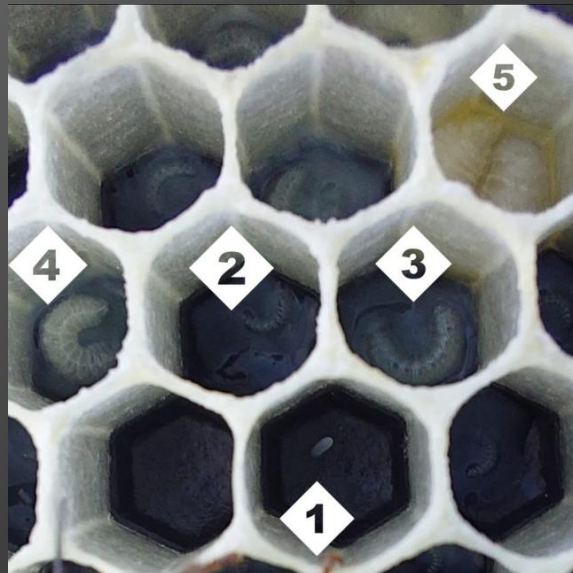
◉ Pepper vine



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Choose 2-3 days old
Larvae for grafting

Grafting



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Gently pick up proper larvae
 With a grafting tool of your choice
 Lay them gently in the grafting cups
 One per cup, and secure the cups
 to a grafting frame. Place the grafting frame
 In your strongest orphaned hive (remove
 Their queen 24 hours prior.) Place the grafting
 frame between the brood frames and let the
 Orphan hive incubate your new queens for
 12 days.

Grafting



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On day 12 after grafting
 Remove individual queen
 Cells and place them
 Into small hive boxes
 (nuclei or Newks) with orphan
 bees which had no queen for
 at least 24 hours.
 The new queen will hatch there
 Within 2-3 days, and will mate
 within 2-3 Weeks.
 Now you have More bees ☺ !

Grafting



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Drone's only job is to
Mate the queen.
Drone pays a high price
For the life of laziness
And ease. The very moment
drone mates it dies ☹

Mating

