

Bee Math

Queen Colors: Will you raise good bees?

International Queen Marking Colors

Color	For Year Ending in:
White (or Gray)	1 or 6
Yellow	2 or 7
Red	3 or 8
Green	4 or 9
Blue	5 or 0

Adapted from Piedmont Beekeepers Association website

Queen, Worker, Drone Math

Estimated days until:

Caste	Hatch	Cap	Emerge
Queen	3	9	16
Worker	3	9	21
Drone	3	11	24

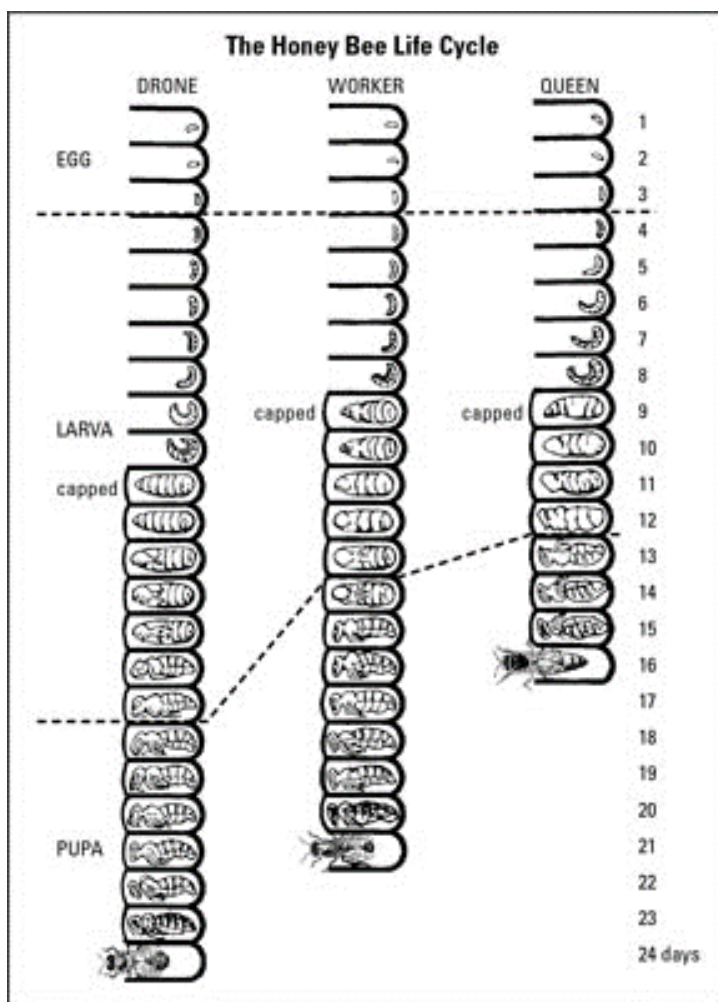
Adapted from Bush Farms for WCB

Queen Bee

Queen Bee Metamorphosis

Stage	Day
Egg	Hatches on day 3
Larva (several moltings)	3-8.5
Queen cell capped	~8.5
Pupa	~8 until emergence
Emergence	~15.5-17
Nuptial flight(s)	~20-24
Egg laying	~23+
Capped brood	~32+

Adapted from Bee Pride for WCB



Source: The Terroir of Honey blog

Worker Bee Chores

Chores of Worker Bees

Day	Chore	Day	Chore
1	Cleaning cells	13	Building comb
2	Keeping brood warm	14-17	Transporting food within hive
3-5	Feeding older larvae	18-19	Undertakers
6-11	Feeding younger larvae	20-21	Guards
12	Producing wax	22+	Foragers

Adapted from Bee Pride for WCB



WeisBatty Bees

Jeff Battaglini, weisbatty@gmail.com