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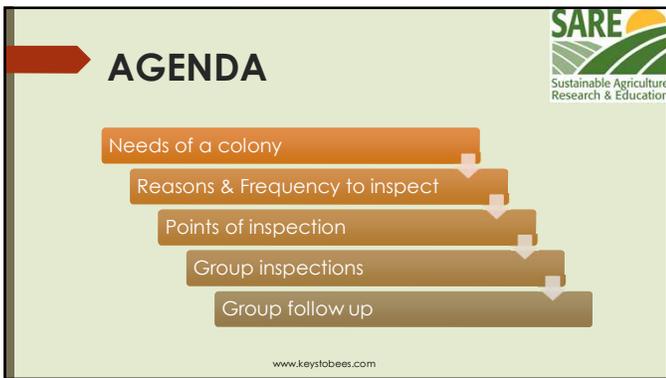
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### LIFE CYCLE OF THE HONEY BEE

	Egg	Larva	Pupa	Adult
Queen	Days 1-3	Days 4-9	Days 10-15	Day 16
Worker	Days 1-3	Days 4-9	Days 10-20	Day 21
Drone	Days 1-3	Days 4-9	Days 10-23	Day 24



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### FREQUENCY OF INSPECTIONS

SPRING	SPRING every 7-10 days
SUMMER	SUMMER every 3 weeks
FALL	FALL every 3 weeks
WINTER	WINTER monthly

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### REASONS TO INSPECT

Determine	Identify	Reveal	Conclude
Determine the available resources within the colony: pollen (beebread), nectar (honey), brood & adult bees (ratio).	Identify the space available within the colony, both in brood chamber & in the honey supers.	Reveal queen status (queen does not need to be seen if worker eggs seen).	Conclude overall health of colony, noling behavior, viruses, pests, & brood patterns.

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**POINTS OF INSPECTION**

**Determine**

**Determine available resources:**  
**Pollen (beebread) & nectar (honey)**  
 \* Pull 2 frames  
 brood & adult bees (ratio)  
 \* Pull 4 frames

**LOCATION OF RESOURCES:**  
**POLLEN:** Brood nest  
**NECTAR:** Brood nest & honey supers  
**BEES:** Ratio in both areas

**PURPOSE OF RESOURCES:**  
**POLLEN:** Nutrition for brood  
**NECTAR:** Adult nutrition & extraction  
**BEES:** Balance (egg, larvae, capped) & (nurse, house, forager)

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**POINTS OF INSPECTION**

**Identify**

Identify the space available within the colony, both in brood chamber & in the honey supers

**LOCATION OF SPACE:**  
**BROOD NEST:** Lower hive bodies  
**HONEY SUPERS:** Upper hive bodies

**PURPOSE OF SPACE:**  
**POLLEN:** Nutrition for brood  
**NECTAR:** Adult nutrition & extraction  
**BEES:** Balance (egg, larvae, capped) & (nurse, house, forager)

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**POINTS OF INSPECTION**

**Reveal**

Reveal queen status (queen does not need to be seen if worker eggs seen).

**LOCATION OF QUEEN:**  
**BROOD NEST**

**PURPOSE:**  
**SUSTAINABILITY**  
**NEXT STEPS**

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**POINTS OF INSPECTION**

**Conclude**

Conclude overall health of colony, noting behavior, viruses, pests, & brood patterns.

**LOCATION:**  
**BROOD NEST:** Patterns & numbers  
**HONEY SUPERS:** Numbers  
**EXTERNAL:** Numbers

**PURPOSE – Determines need for action:**  
**BEHAVIOR:** Patterns of change  
**BROOD:** Pattern determines queen healthy/quality, pest infestation, or pathogen issue.  
**BEE:** Ratio, behavioral change, physical issues  
**PESTS:** Treatment

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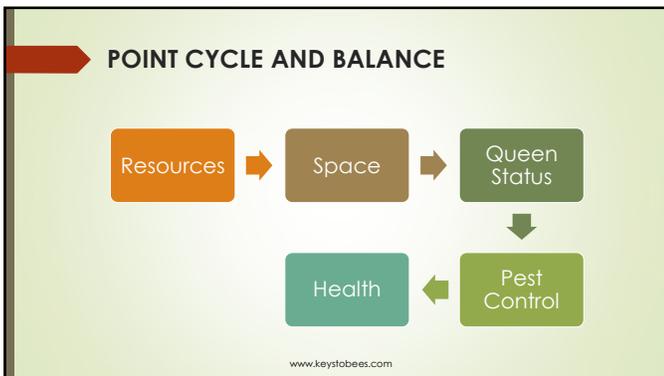
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**LOOK FOR PATTERNS OF CHANGE ~ TO EQUALIZE & BALANCE ~ TOWARDS GOAL**

**SCENARIO:** Colony has been queenless (QL) for 2-3 weeks  
Note: spring bees live 6 weeks (your colony numbers are depleting during this QL time).

**SOLUTIONS:**  
Note: Your solutions should be in alignment with your over-all goal for keeping bees.

Give Eggs/Nurse Bees                      Reduce colony size  
 Merge with another colony                      Provide mated queen

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**GROUPS OF 5**

**ROLES:**

- **Coordinator** – leads the group through exercise
- **Recorder** – record findings of inspection
- **Technical** – takes picture(s) of inspection and submits them (one of full group/other(s) of inspection interest)
- **Hands on #1** – perform the frame removal and initial handling ~ work in tandem w/ #2
- **Hands on #2** – perform the frame removal and manipulation ~ work in tandem w/ #1

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**5 Minute review of inspection findings**

**TITLE** – Referring to purpose of inspection  
 "Newly Swarmed Colony"  
 "Questionable Laying Worker"  
 "Virgin Queen"  
 "Routine Check"

**REPORT ON:**

- Initial purpose for inspection
- Findings
- Needs/Actions
- Next inspection purpose

Picture of Group



Picture(s) of Interest



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**THANK YOU**

- KEYS TO BEES
- Tiffany Ayres
- [www.keystobees.com](http://www.keystobees.com)
- [saybees.apriary@gmail.com](mailto:saybees.apriary@gmail.com)



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