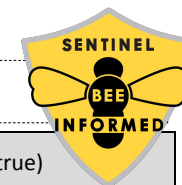


Date:

Sentinel Apiary Program - Data Sheet

Apply label



Bottle Number	Colony Number <small>(Should match bottle # <--)</small>	# Frames per box	Colony configuration	Deep	Medium	Shallow	Super	Queen Status (**)	Brood Pattern (0 to 5) (***)	Notes <small>(disease, pest, queen cells, food stores, anything for your records...)</small>	Since your last visit : did you... (check if true)										
											requeen this colony?	move this colony?	feed this colony?	treated this colony?	Perform management?						
1		5	# of Boxes					<input type="radio"/> QS	<input type="radio"/> DL												
		8						<input type="radio"/> QR	<input type="radio"/> QL												
2		5	# of Boxes					<input type="radio"/> QS	<input type="radio"/> DL												
		8						<input type="radio"/> QR	<input type="radio"/> QL												
3		5	# of Boxes					<input type="radio"/> QS	<input type="radio"/> DL												
		8						<input type="radio"/> QR	<input type="radio"/> QL												
4		5	# of Boxes					<input type="radio"/> QS	<input type="radio"/> DL												
		8						<input type="radio"/> QR	<input type="radio"/> QL												
5		5	# of Boxes					<input type="radio"/> QS	<input type="radio"/> DL												
		8						<input type="radio"/> QR	<input type="radio"/> QL												
6		5	# of Boxes					<input type="radio"/> QS	<input type="radio"/> DL												
		8						<input type="radio"/> QR	<input type="radio"/> QL												
7		5	# of Boxes					<input type="radio"/> QS	<input type="radio"/> DL												
		8						<input type="radio"/> QR	<input type="radio"/> QL												
8		5	# of Boxes					<input type="radio"/> QS	<input type="radio"/> DL												
		8						<input type="radio"/> QR	<input type="radio"/> QL												
		5	# of Frames of Adult Bees (*)					<input type="radio"/> QNS	<input type="radio"/> LW												
		8						<input type="radio"/> VQ													
		10	# of Frames of Adult Bees (*)					<input type="radio"/> QNS	<input type="radio"/> LW												
		10						<input type="radio"/> VQ													

(*) Estimation of FRAME number: Frame count includes front and back or a frame (if a frame is covered front and back, it counts as 1 frame);

(*)** Brood pattern graded from 0 (no capped brood) to 5 (all brood frames totally capped). Try to average pattern of all frames into one score.

()** Queen Status: **QS** (Queen Seen) ; **QR** (Queen Right: did not see the queen but found eggs) ; **QNS** (Queen Not Seen, nor eggs, but looks queen right) ; **VQ** (Virgin Queen: queen seen but appear new) ; **DL** (Drone Layer) ; **QL** (Queenless) ; **LW** (Laying Worker) ; or other if you know.

Sentinel Apiary Program - Data Sheet

Hive Provenance: Month 1 Only

Fill out for all colonies in first sampling month. Then fill out for any new colonies you add over the season (if an original colony dies, etc.).

Colony TAG number	What is the origin of this colony? (choose one)	Colony has a:		If this is a new colony, when did you install it? (date)	When was queen installed? (month /year)	When did you last treat this colony for Varroa?		When did you last used antibiotics and/or Nosema treatment?		What hive type is this colony in? (*)
		Hive scale	Pollen trap			Date	Product	Date	Product	
	<input type="radio"/> overwintered colony <input type="radio"/> nuc <input type="radio"/> new from split <input type="radio"/> other: <input type="radio"/> new from package									
	<input type="radio"/> overwintered colony <input type="radio"/> nuc <input type="radio"/> new from split <input type="radio"/> other: <input type="radio"/> new from package									
	<input type="radio"/> overwintered colony <input type="radio"/> nuc <input type="radio"/> new from split <input type="radio"/> other: <input type="radio"/> new from package									
	<input type="radio"/> overwintered colony <input type="radio"/> nuc <input type="radio"/> new from split <input type="radio"/> other: <input type="radio"/> new from package									
	<input type="radio"/> overwintered colony <input type="radio"/> nuc <input type="radio"/> new from split <input type="radio"/> other: <input type="radio"/> new from package									
	<input type="radio"/> overwintered colony <input type="radio"/> nuc <input type="radio"/> new from split <input type="radio"/> other: <input type="radio"/> new from package									
	<input type="radio"/> overwintered colony <input type="radio"/> nuc <input type="radio"/> new from split <input type="radio"/> other: <input type="radio"/> new from package									
	<input type="radio"/> overwintered colony <input type="radio"/> nuc <input type="radio"/> new from split <input type="radio"/> other: <input type="radio"/> new from package									

(*) Hive type: Langstroth hive body 10 frames; Langstroth hive body 8 frames; Warre; Top bar hive; Nuc box; Homemade (not Langstroth dimensions); ...

Sentinel Apiary Program - Data Sheet

Visits

In the last month (or since your last sampling visit), how many times on average did you open your Sentinel colonies? (including the visits to take samples for this project)

and why?

- Normal seasonal management
 Monitor for pests / disease
 Feeding
 Applying chemical treatments
 Displaying other pest control techniques
 Honey production

Apiary Size

On this date (sampling), how many living colonies* do you have in the whole apiary containing your Sentinel Colonies (Sentinel colonies **and** others)?

Colony Mortality

The following questions apply **ONLY** to colonies sampled for the Sentinel Apiary Program:

- Since your last sampling visit, did you install any new/replace any dead Sentinel Colonies?
 - If YES, please fill out Hive Provenance on Pg. 2 of this data sheet.
- Since your last sampling visit, did any Sentinel Colonies die?
- Record the **hive tag number(s)** of any dead Sentinel Colonies here (ex. S19-XXXX-1):
- On what date (approximately) did you discover the dead Sentinel Colony(s)?

Yes No

Yes No

5. If you lost any Sentinel Colonies, record the colony number underneath its **cause of death**:

- | | | | | | |
|------------------|----------------------|----------------------------------|----------------------|--|----------------------|
| • Poor nutrition | <input type="text"/> | • Queen failure | <input type="text"/> | • Poor weather condition | <input type="text"/> |
| • Varroa mites | <input type="text"/> | • Starvation | <input type="text"/> | • Management error | <input type="text"/> |
| • Pesticides | <input type="text"/> | • Nosema | <input type="text"/> | • Small Hive Beetles | <input type="text"/> |
| • Queen Failure | <input type="text"/> | • Colony Collapse Disorder (CCD) | <input type="text"/> | • Other (e.g. Natural Disaster), please specify: | <input type="text"/> |
| | | • Dont' Know | <input type="text"/> | | |

Seasonal Information

Since your last sampling visit, has the weather been...

- Typical
 Atypical

If atypical, please describe:
(too dry/ too cold/ milder/...)

If atypical, did it impact your colonies?

- Yes, POSITIVELY
 Likely not
 Yes, NEGATIVELY
 I don't know

How would you quantify the **nectar** flow (if any)?

Low	Medium	Heavy	No flow
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="radio"/>

How would you quantify the **pollen** flow (if any)?

Low	Medium	Heavy	No flow
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="radio"/>

In your best knowledge, near what **forage** were your bees this month? What was blooming around your apiary and used by the bees?

Ex: alfalfa, apples, cane crops (e.g. raspberries, blackberries, etc), canola, citrus, clover, corn, cranberries, cucumbers, sweet corn, cotton, lime-tree, soybeans, sunflowers, watermelons, other melons, wild flower meadow, forest environment,... or nothing, or don't know.

Sentinel Apiary Program - Data Sheet

Apiary management Please consider ONLY Sentinel Colonies!

Since your last sampling visit, did you try to monitor VARROA and/or NOSEMA on your own?

- Yes (in addition to the samples send to BIP)
 No (just BIP)

If YES, please describe the technique and frequency for each (Ex. Varroa; sugar roll; all colonies; 2 times in the month):

Pest	Detection technique	Colony #s Sampled (ex: S18-1)	Dates (of samples collected)

Since your last sampling visit, did you use a TREATMENT and/or TECHNIQUE to try to control pests/parasites/diseases in your colonies?

Ex. of pests: Varroa mites, Nosema, Small Hive Beetles, Wax moths, ...

Ex. of techniques of control: traps, sticky board, drone brood removal, screened bottom board,...

- Yes
 No

If YES, please describe (Ex. Small Hive Beetle; CheckMite+; 1 strip; on bottom board ; 50%; 1/month):

Pest	Product or Technique	Dose	Delivery method	Colony #s Treated (ex: S18-1)	Dates applied

Since your last sampling visit, did you FEED or add a food substitute or stimulant to your colonies?

- Yes
 No

If YES, please describe (Ex. Fondant; 1 ounce; all colonies; 2 times in the month):

Product	Quantity	Colony #s fed (ex: S18-1)	Dates applied

Since your last sampling visit, did you employ any other MANAGEMENT PRACTICES in your apiary?

- Yes
 No

If YES, please describe (Ex. Re-queened colonies, open bottom board, replaced brood frames, added honey supers, ...):

Practice	Colony #s (ex: S18-1)	Dates

Since your last sampling visit, did you harvest any honey?

- Yes
 No

If YES, please describe (Ex. 10 lbs/ colony; 25% colonies harvested):

Total Honey Harvested (lb)	Average per colony (lb)	Colony #s Harvested (ex: S18-1)	Dates of harvest

Anything else you would like to share? Any unusual circumstances or important information?

Thank you for your participation!

