

SPEARED APIARIES

THE TACTICAL LOG

BEEKEEPER'S FIELD OPERATIONS RECORD



STATUS

OPERATIONAL

CLASSIFICATION

BEEKEEPER EYES ONLY

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HIVE INSPECTION REPORT

Complete all fields. Use 24-hour time format.

DATE _____	TIME (24H) _____	HIVE ID _____
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ENVIRONMENTAL CONDITIONS

CLEAR PARTLY CLOUDY OVERCAST RAIN WINDY

TEMP °F _____ HUMIDITY % _____ WIND MPH _____

COLONY STATUS ASSESSMENT

POPULATION DENSITY	<input type="checkbox"/> 1-LIGHT	<input type="checkbox"/> 2-MODERATE	<input type="checkbox"/> 3-FULL	<input type="checkbox"/> 4-PACKED
TEMPERAMENT	<input type="checkbox"/> 1-CALM	<input type="checkbox"/> 2-NORMAL	<input type="checkbox"/> 3-DEFENSIVE	<input type="checkbox"/> 4-AGGRESSIVE
BROOD PATTERN	<input type="checkbox"/> 1-POOR	<input type="checkbox"/> 2-FAIR	<input type="checkbox"/> 3-GOOD	<input type="checkbox"/> 4-EXCELLENT
FOOD STORES	<input type="checkbox"/> 1-CRITICAL	<input type="checkbox"/> 2-LOW	<input type="checkbox"/> 3-ADEQUATE	<input type="checkbox"/> 4-ABUNDANT

QUEEN STATUS

EGGS PRESENT YOUNG LARVAE QUEEN SPOTTED QUEEN CELLS SUPERSEDURE CELLS

QUEEN ID / MARKING: _____

DISEASE & PEST INDICATORS

VARROA VISIBLE CHALKBROOD SACBROOD

FOULBROOD ODOR WAX MOTHS SMALL HIVE BEETLES

ACTIONS TAKEN / REQUIRED

- _____
- _____
- _____
- _____

FIELD NOTES

NEXT INSPECTION TARGET DATE: _____

HIVE INSPECTION

HIVE INSPECTION REPORT

Complete all fields. Use 24-hour time format.

DATE _____	TIME (24H) _____	HIVE ID _____
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- _____
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- _____
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FIELD NOTES

NEXT INSPECTION TARGET DATE: _____

HIVE INSPECTION

HONEY HARVEST RECORD

Record each harvest batch separately. Weights in lbs.

HARVEST DATE

OPERATOR ID

SUPER-BY-SUPER HARVEST LOG

SUPER #	HIVE	FRAMES	RAW WT (LB)	EXTRACTED (LB)	GRADE	NOTES

BATCH TOTALS

TOTAL FRAMES EXTRACTED: _____ TOTAL RAW WEIGHT (LB): _____

TOTAL EXTRACTED (LB): _____ YIELD EFFICIENCY %: _____

PROCESSING & STORAGE

- FILTERED SETTLED 24H+ BOTTLED LABELED TESTED STORED

STORAGE LOCATION: _____

FLAVOR / COLOR NOTES: _____

HARVEST RECORD

HONEY HARVEST RECORD

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FILTERED SETTLED 24H+ BOTTLED LABELED TESTED STORED

STORAGE LOCATION: _____

FLAVOR / COLOR NOTES: _____

HARVEST RECORD

DATE

HIVE ID

QUEEN AGE (YRS)

PHYSICAL ASSESSMENT

BODY CONDITION EXCELLENT GOOD POOR INJURED

MARKING VISIBLE YES — COLOR: NO

MOVEMENT VIGOROUS NORMAL SLUGGISH ERRATIC

EGG LAYING PERFORMANCE

PATTERN SOLID SPOTTY SPARSE ABSENT

EGGS PRESENT YES NO

LARVAE STAGES ALL STAGES OLDER ONLY NONE

SUPERSEDURE RISK ASSESSMENT

QUEEN CELLS PRESENT WORKERS BITING QUEEN

MULTIPLE QUEENS SEEN DRONE LAYING PATTERN

RECOMMENDED ACTION

NO ACTION REQUIRED MONITOR CLOSELY (2 WK) REQUEEN SCHEDULED EMERGENCY REQUEEN SPLIT COLONY

NOTES / OBSERVATIONS:

QUEEN ASSESSMENT

DATE

HIVE ID

QUEEN AGE (YRS)

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NOTES / OBSERVATIONS:

QUEEN ASSESSMENT

VARROA MONITORING SHEET

ACTION THRESHOLD: $\geq 2\%$ infestation rate triggers treatment protocol.

DATE: _____ HIVE ID: _____ METHOD: ALCOHOL WASH SUGAR ROLL STICKY BOARD OTHER

INFESTATION RATE CALCULATION

BEES IN SAMPLE: _____ MITES COUNTED: _____ INFESTATION % = $\frac{\text{mites}}{\text{bees}} \times 100$

INFESTATION LEVEL INDICATOR

< 1% LOW — NO ACTION	1–2% MODERATE — MONITOR	2–4% HIGH — TREAT	> 4% CRITICAL — IMMEDIATE
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TREATMENT PROTOCOL LOG

DATE	TREATMENT	DOSE/STRENGTH	DURATION	TEMP AT APP	OUTCOME

NOTES:

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ACTION THRESHOLD: $\geq 2\%$ infestation rate triggers treatment protocol.

DATE: _____ HIVE ID: _____ METHOD: ALCOHOL WASH SUGAR ROLL STICKY BOARD OTHER

INFESTATION RATE CALCULATION

BEES IN SAMPLE: _____ MITES COUNTED: _____ INFESTATION % = mites ÷ bees × 100

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TREATMENT PROTOCOL LOG

DATE	TREATMENT	DOSE/STRENGTH	DURATION	TEMP AT APP	OUTCOME

NOTES:

VARROA MONITORING

DATE: _____ HIVE ID: _____ SEASON: SPRING SUMMER FALL WINTER

FEEDING LOG					
DATE	FEED TYPE	RATIO/CONC	AMOUNT	FEEDER TYPE	CONSUMED?

SUPPLEMENT & MEDICATION LOG					
DATE	PRODUCT	PURPOSE	DOSAGE	APPLICATION	RESULT

OBSERVATIONS:

FEEDING & TREATMENT

DATE: _____ HIVE ID: _____ SEASON: SPRING SUMMER FALL WINTER

FEEDING LOG

DATE	FEED TYPE	RATIO/CONC	AMOUNT	FEEDER TYPE	CONSUMED?

SUPPLEMENT & MEDICATION LOG

DATE	PRODUCT	PURPOSE	DOSAGE	APPLICATION	RESULT

OBSERVATIONS:

FEEDING & TREATMENT

DATE DETECTED

TIME (24H)

HIVE OF ORIGIN

SWARM SIZE

EVENT TIMELINE

- SWARM FIRST NOTICED _____
- SWARM CLUSTER LOCATION _____
- CAPTURE ATTEMPT MADE _____
- CAPTURE SUCCESSFUL _____
- NEW HIVE INSTALLED _____

PROBABLE CAUSE ANALYSIS

- OVERCROWDING INSUFFICIENT VENTILATION OLD QUEEN
 NEW QUEEN HATCHED SEASONAL IMPULSE UNKNOWN

RESOLUTION & FOLLOW-UP

- CAPTURED & REHIVED ESCAPED / LOST MERGED WITH EXISTING HIVE BONATED SOLD

NEW HIVE LOCATION / ID: _____

PREVENTION MEASURES IMPLEMENTED:

NEXT INSPECTION DATE: _____

SWARM INCIDENT

DATE DETECTED	TIME (24H)	HIVE OF ORIGIN	SWARM SIZE
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EVENT TIMELINE

- SWARM FIRST NOTICED _____
- SWARM CLUSTER LOCATION _____
- CAPTURE ATTEMPT MADE _____
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NEW HIVE LOCATION / ID: _____

PREVENTION MEASURES IMPLEMENTED:

NEXT INSPECTION DATE: _____

SWARM INCIDENT

YEAR: _____ HIVE COUNT: _____ APIARY LOCATION: _____

ANNUAL PRODUCTION SUMMARY

TOTAL INSPECTIONS	TOTAL HONEY (LB)
COLONIES STARTED	COLONIES LOST
QUEENS REPLACED	SWARMS CAPTURED
TREATMENTS APPLIED	PEAK COLONY COUNT

YEAR-OVER-YEAR COMPARISON

METRIC	PREV YEAR	THIS YEAR	CHANGE	TREND
HONEY YIELD (LB)				
COLONIES SURVIVING				
INSPECTIONS COMPLETED				
MITE TREATMENT COUNT				

KEY LEARNINGS & GOALS FOR NEXT YEAR:

- _____
- _____
- _____
- _____

YEAR: _____ HIVE COUNT: _____ APIARY LOCATION: _____

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TOTAL INSPECTIONS	TOTAL HONEY (LB)
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KEY LEARNINGS & GOALS FOR NEXT YEAR:

- _____
- _____
- _____
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VARROA TREATMENT QUICK-REFERENCE

TREATMENT	TYPE	TEMP RANGE	TIMING	EFFICACY
Oxalic Acid Vapor	Organic	Above 50°F	Broodless	95%+
Apiguard (Thymol)	Organic	60–105°F	Late summer	90%+
ApiVar (Amitraz)	Chemical	Any	Spring/Fall	93%+
Hopguard III	Organic	Any	Anytime	40–80%
Formic Pro	Organic	50–85°F	Spring/Fall	80–90%

COLONY STRENGTH BENCHMARKS

SEASON	FRAMES OF BEES	HONEY STORES	BROOD FRAMES
Spring	4–6 frames	20+ lbs	3–5 frames
Summer	8–12 frames	30+ lbs	5–8 frames
Fall	8–10 frames	60+ lbs	3–5 frames
Winter	4–6 clusters	60–80 lbs	0 (dormant)

BEE BIOLOGY QUICK-REF

Worker egg→hatch	21 days
Drone egg→hatch	24 days
Queen egg→hatch	16 days
Worker lifespan (summer)	6 weeks
Worker lifespan (winter)	4–6 months
Queen lifespan	3–5 years
Egg incubation	3 days
Larvae stage	5–6 days

HONEY EXTRACTION NOTES

Uncapping temp (warm room)	90–95°F
Spinner speed (start)	Low / 100 RPM
Spinner speed (full)	200–300 RPM
Straining mesh	400–600 micron
Settling time	24–48 hrs
Bottling moisture <	18.6%
Refractometer reading: safe	≤ 18.5%
pH of quality honey	3.2–4.5

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Queen lifespan	3–5 years	Bottling moisture <	18.6%
Egg incubation	3 days	Refractometer reading: safe	≤ 18.5%
Larvae stage	5–6 days	pH of quality honey	3.2–4.5

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SPEARED APIARIES

OPERATIONAL FIELD RECORDS

MISSION BRIEF

The Tactical Log is designed for beekeepers who treat the apiary as a precision operation. Every inspection, every number, every trend recorded here builds a foundation for informed, confident colony management.



speared-apiaries.com

"Know your hive. Know your numbers."