



## My Notes for PNWbee Survey

This form is provided to assist in your note gathering throughout the year in order to prepare you for the next Aprils PNW Annual Loss Survey. There will be surveys offered in both paper and electronic forms at that time on [www.pnwbeehoneybeesurvey.com](http://www.pnwbeehoneybeesurvey.com). Submission of *this* form will not be accepted. Feel free to send suggestions to [info@pnwhoneybeesurvey.com](mailto:info@pnwhoneybeesurvey.com) because this survey is both **FOR** the PNW beekeepers and **BY** the PNW beekeepers.



Thank you for your interest and participation!

### **\*\* DEFINITIONS \*\***

**Bee Year/Season** = April 1<sup>st</sup> to March 31<sup>st</sup>. All questions each year refer to this time frame aside from the 1 overwintered inquiry.

**Fall** = Oct 31<sup>st</sup>, **Spring** = April 1<sup>st</sup>, **Peak** = July 15<sup>th</sup>, **Bee Winter** = October 31<sup>st</sup> through April 1<sup>st</sup>

These are weather dependant designations in the Pacific NW. Early/late freeze and spring warming will affect the bees' activity and forage. The general idea is when the weather and forage dictates the bees go into and come out of their "winter" mode of survival.

**Rate 1-5** = Rate its success on a scale from 1-5 with 1 being best and 5 being the worst success.

**Apiary** = A location with one or more active colonies present.

**Colony** = Generally referring to the collection of bees including single queen with her workers, brood, pollen, and honey stores.

**Hive** = Generally referring to the equipment over the bees but often used interchangeably with colony.

**Hive Type(s)** = Langstroth 8 frame, 10 frame, 5 frame nuc, top bar, Warre

**Hive Origination** = Where the colony came from.

**Overwintered** = Colonies which survived the winter in your fall hives and are building up (not barely holding on) the following spring.

### It will ask a little bit about you (and you can stay anonymous)

(A) Beekeeping club affiliations. Used to assess clubs participation #s, outreach, and general forage region. \_\_\_\_\_

(B) Your beekeeping education. Inquiry into education trends, successes, and needs that may exist. \_\_\_\_\_

(C) Hive Year Calculation = \_\_\_\_ Years beekeeping x (average # of) \_\_\_\_ active colonies. A growing trend in bee loss comparison.

### Survival based on different hive types (Summing all apiaries together)

(D) Number of active hives AND hive type that you have in BOTH fall and in spring

Summing all apiaries together but looking only at each hive type, please indicate how many of each hive type you came into last fall with. Also indicate how many of those hives survived through to spring of this year.

I had \_\_\_ # hive type in the fall and \_\_\_ # hive type survived through to spring.

### The Fall & Spring survival among your various apiary locations

(E1-3) It will inquire on each individual apiaries approximate location and track number of fall hives and number of spring hives.

### Migrating Hives (Summing all apiaries together)

(F) If you moved hives we ask when, why and how many miles. Knowing this helps refine our data in certain applications.

### Survival based on hive origination (G) (Summing all apiaries together)

I began with \_\_\_ # hives that had overwintered and \_\_\_ # survived to their second spring.

I purchased \_\_\_ # packages and \_\_\_ # survived to spring.

I purchased \_\_\_ # nucs and \_\_\_ # survived to spring.

I caught \_\_\_ # swarms and \_\_\_ # survived to spring.

I made \_\_\_ # splits/divides and \_\_\_ # survived to spring.

I did \_\_\_ # feral hive transfers/cut outs and \_\_\_ # survived to spring.

I did \_\_\_ # other \_\_\_\_\_ list other \_\_\_\_\_ and \_\_\_ # survived to spring.

### Colony death this year (H) (Summing all apiaries together)

Main cause(s) of "Bee Winter" colony death in your operation (Note date(s) & apiaries to help you remember)

N/A (no death) \_\_\_ I don't know \_\_\_\_\_ CCD (no adult bodies in dead hive) \_\_\_\_\_ Nosema disease \_\_\_\_\_ Pesticides \_\_\_\_\_  
Poor wintering conditions \_\_\_\_\_ Small Hive Beetles \_\_\_\_\_ Starvation \_\_\_\_\_ Queen failure \_\_\_\_\_  
Varroa mites \_\_\_\_\_ Weak in the fall \_\_\_\_\_ Yellow jackets \_\_\_\_\_

Feeding & general hive practices (I) (Summing all apiaries together)

(Ia) I did the following FEEDINGS: (Form options include "frame, liquid, dry, patties, drivert, cane, corn" etc.)

Honey (form) \_\_\_\_\_ Syrup (form) \_\_\_\_\_ Sugar (form) \_\_\_\_\_ Candy (form) \_\_\_\_\_  
Pollen (form) \_\_\_\_\_ Other \_\_\_\_\_

(Ib) I did the following general WINTERING PRACTICES: (Noting the date(s), apiaries, and results are extremely helpful!)

Equalized hive strength \_\_\_\_\_ Rain shelter to entire hive or entrance \_\_\_\_\_  
Upper entrance access \_\_\_\_\_ Ventilation box or quilt box used \_\_\_\_\_  
Insulated top \_\_\_\_\_ Wrapped the hives (insulated) \_\_\_\_\_  
Wind/weather protection \_\_\_\_\_ None of the above \_\_\_\_\_ Other (list) \_\_\_\_\_

(Ic) I did the following general SANITATION PRACTICES:

Did you do any of these general mite control practices (not products) this season?(Note month(s) and results)

Minimal hive intervention/inspection \_\_\_\_\_ Provided hives with distinctive colors/other hive ID measures \_\_\_\_\_  
Generally avoided moving frames from one hive to another \_\_\_\_\_ Cleaned hive tool/frequently washed gloves \_\_\_\_\_ Spread out colonies in apiary/did other measures to reduce drifting \_\_\_\_\_ None of these \_\_\_\_\_ Other (list) \_\_\_\_\_

(Id) I used a screened bottom board on all \_\_\_\_\_ some \_\_\_\_\_ none \_\_\_\_\_ of my hives and during the winter I covered or blocked the screen bottom never \_\_\_\_\_ sometimes \_\_\_\_\_ always \_\_\_\_\_

Mite monitoring (Summing all apiaries together)

(Ja) What percentage of your hives do you monitor for mites? % \_\_\_\_\_

(Jb1-5) Did you monitor your hives with "X" this season? (?Note date(s), apiaries, and results?)

Mite Drop (sticky boards or other collection tray below hive) \_\_\_\_\_ Other \_\_\_\_\_  
Alcohol Wash (shake/roll separating to count) \_\_\_\_\_ Visual inspection of drone brood \_\_\_\_\_  
Powdered Sugar (shake/roll separating to count) \_\_\_\_\_ Visual inspection of adult bees \_\_\_\_\_

Mite Sampling (Summing all apiaries together)

(K) What percentage of your hives do you sample?

Pre-treatment \_\_\_\_\_ Post-treatment \_\_\_\_\_ Both \_\_\_\_\_ sampled but never treated \_\_\_\_\_

Mite Control: Medication and treatments (Summing all apiaries together)

(L) Did you apply of the following mite control treatment products this season? (Note month(s) used and results)

Apivar \_\_\_\_\_ ApiGuard \_\_\_\_\_ ApiLife Var \_\_\_\_\_  
Coumaphos (CheckMite+) \_\_\_\_\_ Fluvalinate (including Apistan) \_\_\_\_\_  
Formic Acid (MiteAway QuickStrips) \_\_\_\_\_ HopGuard II \_\_\_\_\_ Oxalic Acid (Vaporization) \_\_\_\_\_  
Powdered sugar \_\_\_\_\_ Mineral oil \_\_\_\_\_  
MiteAThol (menthol tracheal mite) \_\_\_\_\_ Other herbal treatments \_\_\_\_\_

Did you apply of the following "X" products this season? (Note month(s) used and results)

(M) Bacterial brood disease control Terramycin \_\_\_\_\_ Tylosin (Tylan) \_\_\_\_\_ Other \_\_\_\_\_

(N) Nosema control products Fumagilin (Fumadil B) \_\_\_\_\_ Nosevet \_\_\_\_\_ Other \_\_\_\_\_

Queens (Summing all apiaries together)

(P) Do you mark your queens? Yes \_\_\_\_\_ No \_\_\_\_\_

(Q) My hives were introduced to a new queen by..... (Note date(s), apiaries, and results)

Mated queen \_\_\_\_\_ Virgin queen \_\_\_\_\_ Split hive, allowed colony create new queen \_\_\_\_\_ Queen cells \_\_\_\_\_  
Supercedure occurred \_\_\_\_\_ Colony swarmed \_\_\_\_\_

Products of the hive (R)

Do you extract any products from the hive?

Honey (lbs) \_\_\_\_\_ Wax \_\_\_\_\_ Pollen \_\_\_\_\_ Propolis \_\_\_\_\_ Royal Jelly \_\_\_\_\_ Venom \_\_\_\_\_