Note Worthy 2018-19 Preparation

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.pnwhoneybeesurvey.com. Submission of this form will not be accepted. Feel free to send suggestions to 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 1st to March 31st. All questions each year refer to this time frame aside from the 1 overwintered inquiry.

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

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, driver, 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 apply 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? __ %

(Jb-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 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 ____________________________
- Acid (Vaporization) ____________________________ Oxalic Acid (drizzle) ____________________________
- Powdered sugar ____________________________ Mineral oil ____________________________
- MiteAThol (menthol tracheal mite) ____________________________ Other herbal treatments ____________________________

(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 ____________________________ Supercedeure occurred ____________________________ Colony swarmed ____________________________

**Products of the hive (R)**

Do you extract any products from the hive?
- Honey (lbs) ________________ Wax ________________ Pollen ________________ Propolis ________________ Royal Jelly ________________ Venom ________________