



**PAPER EDITION - Pacific North West Annual Loss Survey 2017**

Thank you for your participation with the 5th annual Pacific Northwest Honey Bee Loss Survey brought to YOU by Dr. Dewey Caron and Jenai Fitzpatrick.

We understand that there are other regional and national surveys out there. The Pacific North West is a unique area on the forefront of sustainable apiculture and as such it is important for the local beekeepers to know what is happening specifically in their area across Oregon and Washington. While city wide maps may be created with your data, there is no intent to publish maps or any personal data where an individual's beekeeping practices can be specifically located.

**Section 1: A little bit about you**

- 1-Membership / affiliations \_\_\_\_\_
- 2- Rate the value of your beekeeping education from these sources? ( 2=great value, 1=limited value, 0=not applicable)
  - a)Bee mentor   #   b)Club meetings   #   c)Books, journals   #   d)Online   #   e)Master Beekeeping Program   #
- 3-How many years have you been beekeeping?   #   How many **active** colonies do you currently own?   #

**Section 2: Survival based on different hive types**

Summing all apiaries together but looking only at 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 April of this year. (fill in   #   blanks)

- 1-I had   #   8 frame &   #   10 frame Langstroth hives in the fall of 2016 and   #   8 fr. &   #   10 fr. survived.
- 2-I had   #   5 frame nucs in the fall of 2016 and   #   survived to March/April 2017.
- 3-I had   #   top bar hives &   #   Warre hives in fall of 2016 and   #   top bar &   #   Warre survived.
- 4-I had   #   other hive types \_\_\_\_\_ *list type* \_\_\_\_\_ and   #   survived to March/April 2017.

**Section3:Survival in different apiary locations**

Apiary Address or Nearest Intersection	City/County	State	# of hives 10/2016	# of hives 4/2017

**Section 3b: Migrating hives**

If your hives were moved please share distance and reason. For example "30 mi, conflict w/ neighbor" OR "600mi almonds"

**Section 4: Colony death this year**

1-In your opinion, what factors were the main cause, or causes, of colony death in your operation between October 1 2016 and April 1 2017? (circle all that apply)

- 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 - Other \_\_\_\_\_

**Section 5: Survival based on origination (where the colony came from).**

Summing all apiaries together but looking only at HIVE ORIGINATION, please indicate how many of each hive origination's you had in fall and indicate how many of those hives survived through to April of this year. (fill in the # blanks)

In 2016, I began with # hives that had overwintered from 2015 into 2016 and # survived to April 2017.

In 2016, I purchased # packages and # survived to April 2017.

In 2016, I purchased # nucs and # survived to April 2017.

In 2016, I caught # swarms and # survived to April 2017.

In 2016, I made # splits/divides and # survived to April 2017.

In 2016, I did # feral hive transfers/cut outs and # survived to April 2017.

In 2016, I did # other \_\_\_\_\_ list other \_\_\_\_\_ and # survived to April 2017.



**Section 6: Feeding & general hive practices** (Summing all apiaries together)

1-During the last bee season (April 1<sup>st</sup> 2016 to March 31<sup>st</sup> 2017) I did the following FEEDINGS: (circle all that apply)

Frames of honey - liquid honey - Frames of pollen - Pollen patties - dry pollen - Sugar syrup - Corn syrup - Drivert sugar  
Dry sugar - Candy/fondant - none of above - Other (list) \_\_\_\_\_

2- During the last bee season, I did the following general WINTERING PRACTICES: (circle all that apply)

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) \_\_\_\_\_

3- During the last bee season, I did the following general SANITATION PRACTICES: (circle all that apply)

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) \_\_\_\_\_

4- During the last bee season I used a screened bottom board on (circle one) all - some - none of my hives and during the winter & I covered or blocked the screen bottom (circle one) never - sometimes - always

**Section 7: Mite monitoring/sampling & management**

1- During the last bee season I monitored (circle one) all - some - none of my hives for mites.

2-Did you sample and not treat? (circle one) Yes - No

3-Did you sample and and treat? (circle all that apply) Pre-treatment - Post-treatment - Both

4- Which mite monitoring method(s) did you use? (circle all that apply & circle months used)

- a) Mite Drop (sticky boards or other collection tray below hive) JAN - FEB - MAR - APR - MAY - JUN - JUL - AUG - SEP - OCT - NOV - DEC
- b) Alcohol Wash (shake/roll separating to count) JAN - FEB - MAR - APR - MAY - JUN - JUL - AUG - SEP - OCT - NOV - DEC
- c) Powdered Sugar (shake/roll separating to count) JAN - FEB - MAR - APR - MAY - JUN - JUL - AUG - SEP - OCT - NOV - DEC
- d) Visual inspection of adult bees JAN - FEB - MAR - APR - MAY - JUN - JUL - AUG - SEP - OCT - NOV - DEC
- e) Visual inspection of drone brood JAN - FEB - MAR - APR - MAY - JUN - JUL - AUG - SEP - OCT - NOV - DEC
- f) Other \_\_\_\_\_

**Section 8: Medication and treatments** (circle all that apply)

1- During the last bee season, I did the following non-chemical mite control practices:

Minimal hive inspection/intervention - Requeen with hygienic queens - Brood cycle interruption - Drone brood removal -

Screen bottom board - Painted my hives distinctively/organized apiary to minimize drifting - Small cell/Natural comb -

Powder sugaring - None of these - Other (list) \_\_\_\_\_

2-Which, if any, of the following **mite control** treatment products did you apply to your colonies during the last bee season (April 1<sup>st</sup> 2016 to March 31<sup>st</sup> 2017) ?

None - Apivar - ApiGuard - ApiLife Var - Coumaphos (*CheckMite+*) - Fluvalinate (*including Apistan*) - Formic Acid (*MiteAway QuickStrips*) - HopGuard II - Oxalic Acid (Vaporization) - Oxalic Acid (drizzle) - Powdered sugar - Mineral oil MiteATHol (*menthol tracheal mite*) - Other herbal treatments - Other (list) \_\_\_\_\_

If you used Apivar what months did you use it? JAN - FEB - MAR - APR - MAY - JUN - JUL - AUG - SEP - OCT - NOV - DEC

If you used an oil (*ApiGuard/ApiLife-Var*) what months did you use it? JAN - FEB - MAR - APR - MAY - JUN - JUL - AUG - SEP - OCT - NOV - DEC

If you used an acid (*MAQS, Oxalic, HopGuard*) when did you use it? JAN - FEB - MAR - APR - MAY - JUN - JUL - AUG - SEP - OCT - NOV - DEC

If you used another chemical list other what months did you use it? JAN - FEB - MAR - APR - MAY - JUN - JUL - AUG - SEP - OCT - NOV - DEC

3-Which, if any, of the following **bacterial brood disease control** products did you apply to your colonies during the last bee season? Terramycin - Tylosin (*Tylan*) - None - Other \_\_\_\_\_

4-Which, if any, of the following **nosema control** products did you apply to your colonies during the last bee season? Fumagilin (*Fumadil B*) - Nosevet - None - Other \_\_\_\_\_

**Section 9: Queens**

1-What percentage of colonies lost do you feel died because of queen problems?   %  

2-Did you, or did your hive, requeen in any form during the last bee season? No - Not that I'm aware of - Yes

How? (*circle all that apply*) Introduced mated queen - Virgin queen introduction - Queen cells - Supercedure occurred - Split hive, allowed colony create new queen - Colony swarmed - other \_\_\_\_\_

**Section 10: Closing thoughts**

1- Do you have any questions or concerns about this survey or wish to share with us any additional information on your overwinter successes/losses?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



**Options for successfully submitting your hive data!** Survey responses will be collected March 27<sup>th</sup> to April 30<sup>th</sup>!

1-Please complete this survey at meeting and hand in at end of evening

2-Preferably you can complete an electronic survey located online at [www.pnwhoneybeesurvey.com/survey](http://www.pnwhoneybeesurvey.com/survey)  
(It will take about 10-15 minutes & you submit at the end by hitting submit button)

3- Scan and email to [info@pnwhoneybeesurvey.com](mailto:info@pnwhoneybeesurvey.com)

4-Take this paper home, confirm your numbers, complete the survey and then return (before end of April) via US mail to **Dr. Dewey M. Caron - Dept. of Horticulture, OSU, ALS 4017 - Corvallis OR 97331**

**Information obtained from this survey will be available as quickly as possible**

Results of this survey will be made available following summation & analysis and the will be presented at participating beekeeper organizations, newsletters, and posted in full at [www.pnwhoneybeesurvey.com](http://www.pnwhoneybeesurvey.com).

If you have any questions or concerns about this survey contact us at [info@pnwhoneybeesurvey.com](mailto:info@pnwhoneybeesurvey.com)