



Pacific North West Annual Loss Survey 2015 (PNWals)

Thank you for your participation with the 3rd annual Pacific Northwest Honey Bee Loss Survey developed by Portland Urban Beekeepers Association. 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 to know what is happening. While city wide maps may be created with your data, there is no intent to publish maps where an individual's beekeeping practices can be specifically located.

Survey responses will be collected from **March 16th to May 9th!!** The PUB Survey Crew can be reached at survey@portlandurbanbeekeepers.org All information in this survey will be kept strictly anonymous.

Section 1: A little bit about you

- 1-Membership / affiliations _____
- 2- Did you (or do you) have an experienced beekeeper available to you for mentoring during your first few years of beekeeping? (circle one) YES or NO
- 3-Where do you feel you have obtained the majority of your beekeeping education?
 - a) Master Beekeeping Program (circle state & level) OR - WA - Apprentice - Journey - Master - other _____
 - b) Community beekeeping classes (circle one) college - bee club - bee supply store - garden supply store - other _____
 - c) Bee club meetings d) Bee mentor e) Books, journals, and magazine f) Online reading & videos
- 4-Please provide your email address _____
- 5-How many years have you been beekeeping? # How many 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 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 2014 and # 8 fr. & # 10 fr. survived.
- 2-I had # 5 frame nucs in the fall of 2014 and # survived to March/April 2015.
- 3-I had # top bar hives & # Warre hives in fall of 2014 and # top bar & # Warre survived.
- 4-I had # other hive types _____ *list type* _____ and # survived March/April 2015.

Section3:Survival in different apiary locations

Address or Nearest Intersection	Quadrant (NE, SW)	City/County	State	# of hives 10/2014	# of hives 3/2015

Section 3b: Migrating hives

If you relocated any hives please tell us how far and for what reason. For example "30 mi, conflict with neighbor"

Section 4: 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 came into fall with and indicate how many of those hives survived through to April of this year. (fill in the # blanks)

In 2014, I began with # hives that had overwintered from 2013 and # survived to April 2015.

In 2014, I purchased # packages and # survived to April 2015.

In 2014, I purchased # nucs and # survived to April 2015.

In 2014, I caught # swarms and # survived to April 2015.

In 2014, I made # splits/divides and # survived to April 2015.

In 2014, I did # feral hive transfers/cut outs and # survived to April 2015.

In 2014, I did # other _____ list other _____ and # survived to April 2015.



Section 5: Feeding & general hive practices (Summing all apiaries together)

1-In 2014 and winter of 2014/15, I did the following FEEDINGS: (circle all that apply)

Frames of honey - Frames of pollen - Pollen patties - Sugar syrup - Corn syrup - Drivert sugar - Candy/fondant - none above - Other _____

2-In 2014 and winter of 2014/15, 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 under lid used - Wrapped the hives with some sort of insulation - None of the above - Other _____

3-In 2014 and winter of 2014/15, I did the following general SANITATION PRACTICES: (circle all that apply)

Minimal hive intervention/inspection - Apiary colony configuration (including distinctive colors/hive ID measures) - Apiary site selection
Brood cycle interruption - Drone brood removal - Requeen with hygienic bees - Screen bottom board - Small cell/Natural comb - None - Other _____

4-In 2014 and winter of 2014/15 I used a screened bottom board on % of my hives and during the winter I covered or blocked the screen bottom (fill in the % blank and circle one) never - sometimes - always

Section 6: Mite monitoring/sampling & management

1-In 2014 and winter of 2014/15 I monitored % of my hives for mites.

2-Did you sample pre or post treatment? (circle one)

If you sampled but never treated, select "pre-treatment". Pre-treatment - Post-treatment - Both

3- 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 7: Medication and treatments (circle all that apply)

1- In 2014 and winter of 2014/15, I did the following general **mite control practices**:

Alternative hive (minimal hive intervention/inspection) - Apiary colony configuration (including distinctive colors/hive ID measures) -
Apiary site selection - Bee sanitation measures - Brood cycle interruption - Drone brood removal - Requeen with hygienic bees -
Screen bottom board - Small cell/Natural comb - None - Other _____

2-Which, if any, of the following **mite control** treatment products did you apply to your colonies during the 2014/15 season?

None - Amitraz (including Apivar) - ApiGuard - ApiLife Var - Coumaphos (CheckMite+) - Fluvalinate (including Apistan) -
Formic Acid (MiteAway QuickStrips) - Hivestan - Oxalic Acid - Powdered sugar - Mineral oil - Other herbal treatments -
MiteATHol (menthol tracheal mite) - Other _____

If you used Amitraz (including 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 (Formic or Oxalic) what months did you use it? JAN - FEB - MAR - APR - MAY - JUN - JUL - AUG - SEP - OCT - NOV - DEC

If you used other 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 2014/15 season? Terramycin - Tylosin (Tylan) - None - Other _____

4-Which, if any, of the following **nosema control** products did you apply to your colonies during the 2014/15 season? Fumagilin (Fumadil B) - Nosevet - None - Other _____

Section 8: Queens

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

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

3-If you did requeen your colonies last year, how did you do it?

Mated queen - Virgin queen - Queen cells - Split hive, allowed colony create new queen - Supercedure occurred - Swarmed

4-In 2014, I raised # local queens and # survived to April 2015 in above colonies.

Section 9: 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 2014 and April 1 2015? (circle all that apply)

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

2-What percentage of loss, between Oct 2014 and April 2015 would you consider acceptable? %

Section 10: Closing thoughts

1-During the peak of 2014 I had # colonies and in 2015 I plan to have # colonies.

2-Do you have any questions or comments about this survey or suggestions for future questions?

Options for successfully submitting your hive data!

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

2-If you prefer you can complete an electronic survey – go to <http://bit.ly/2015PUBSurvey>

(It will take about 10-15 minutes & you submit at the end by hitting submit button)

3- Scan and email to survey@portlandurbanbeekeepers.org

4-Take this paper home to confirm numbers then please send it via snail mail to

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Questions on results from regionally collected hive data?

Results of this survey will be made available following summation & analysis and will be posted on club web pages, newsletters or as part of presentations based on the desires of the various beekeeping clubs. As the developer for this survey is Portland Urban Beekeepers, individualized and summary reports will be posted on www.portlandurbanbeekeepers.org. If you have any questions or concerns about this survey contact us at survey@portlandurbanbeekeepers.org

