

To whom it may concern,

My name is Mary Sheldon and I am an urban beekeeper. I'm a Graduate student at Eastern Kentucky University currently doing research on possible pesticide contamination in urban produced honey.

With rising fears of mosquito borne diseases, spraying is at an all-time high. As bees collect nectar and pollen from numerous floral sources that have possibly been sprayed, insecticides can end up back in the hive products. Research has shown the highest levels of contamination in pollen are pyrethroid insecticides targeting mosquitoes and other nuisance pests. This research is projected to evaluate the possible contamination (if any) of honey following mosquito abatement spraying.

Testing for pyrethroid pesticides Sumithrin and Prallethrin along with Piperonyl Butoxide (a synergist used to enhance pesticide potency) will be done by the USDA National Science Laboratories. If any members who are urban beekeepers would like to have their honey tested (free of charge) I would love to discuss this with them.

I regard the access to personal information for research purposes as an important privilege. All data collected (Name, address, phone number/email) will be stored in a single secure data center. All participants will receive a copy of all lab reports that directly relate to their honey sample/s.

Please feel free to write or call to let me know if you are interested!

Thank you,

Mary Sheldon

mary\_sheldon@mymail.eku.edu

859 963-6862

Project Title: Pesticide Contamination in Urban Hives

INVITATION TO TAKE PART

You are invited to take part in a research project called, Pesticide Contamination in Urban Beehives, conducted by Clint Pinion, Jr., Dr.PH of Eastern Kentucky University. For this research project, he will be called the Principal Investigator or PI.

Your decision to take part is voluntary. You may refuse to take part or choose to stop from taking part, at any time. A decision not to take part or to stop being a part of the research project will not change the services available to you from Eastern Kentucky University. Your refusal to participate will involve no penalty or loss of benefits to which you are otherwise entitled.

You may refuse to answer any questions asked or written on any forms. This research project has been reviewed by the Internal Review Board of the Eastern Kentucky University.

PURPOSE

The purpose of this research study is to examine pesticide contamination levels in urban beehives.

PROCEDURES

What to expect as a subject:

If you agree and are able to take part in this study you will provide a honey comb and honey sample from your hive and will complete a data sheet.

TIME COMMITMENT

Each participant will provide a honey comb and honey sample from their hive and will complete a data sheet. The time commitment will be the amount of time needed to complete the data sheet and provide the honey comb and honey sample. The total time commitment is 30-45 minutes.

BENEFITS

You may receive no direct benefit from being in this study; however, your taking part may assist in determining if urban beehives in Fayette, Franklin, and Madison counties in Kentucky are contaminated with pesticide residue.

RISKS AND/OR DISCOMFORTS

There is a possible risk of breach of confidentiality.

## ALTERNATIVES

The only alternative is not to take part in this study.

## STUDY WITHDRAWAL

Your decision to take part is voluntary. You may decide to stop taking part in the study at any time. A decision not to take part or to stop being a part of the research project will not change the services available to you from (physician, hospital, service agency, etc.).

Also, there may be instances where the PI may withdraw you from the research study. They include not completing the data sheet or provide the requested honey comb or honey samples. They will explain to you the procedures to allow you to stop taking part in the research study in the safest manner.

## IN CASE OF INJURY

If you suffer any injury as a result of taking part in this research study, please understand that nothing has been arranged to provide free treatment of the injury or any other type of payment. However, all needed facilities, emergency treatment and professional services will be available to you, just as they are to the community in general. You should report any injury to Clint Pinion, Jr., Dr. PH at 859.779.3143.

## COSTS, REIMBURSEMENT AND COMPENSATION

If you decide to take part in this research study, you will not incur any additional costs. You will not be paid for taking part in this study. If you receive a bill that you believe is related to your taking part in this research study, please contact Clint Pinion, Jr., Dr. PH at 859.779.3143, with any questions.

## CONFIDENTIALITY

You will not be personally identified in any reports or publications that may result from this study. Any personal information about you that is gathered during this study will remain confidential to every extent of the law. A special sample number (code) will be used to identify you in the study and only the investigator will know your name.

## NEW INFORMATION

Once the study is complete, the final results of the study will be published for your review.

## QUESTIONS

If you have questions at any time about this research study, please feel free to contact Clint Pinion, Jr., Dr. PH at 859.779.3143, as he will be glad to answer your questions. You can contact the study team to discuss problems.