

Instructions for submitting samples for Pesticide Analysis of Honey Bee Colony Matrices (honey, wax, pollen, bees, brood, etc.)

The following matrices can be submitted for pesticide analysis:

Honey and nectar
Pollen (trapped pollen or bee bread)
Brood
Adult bees
Wax

Following these steps to collect, prepare and ship samples for analysis:

1) Collect samples

- **Honey and/or nectar** should consist of 2 ounces.
- **Pollen** collected from pollen traps should consist of 2 ounces. **Bee bread samples** collected from within the hive should consist of pollen randomly collected from 30 cells.
- **Wax** comb, foundation, or samples from blocks should consist of 2 ounces.
- **Adult bees and/or brood** (dead or alive) should consist of at least 2 ounces.

2) Package samples

All samples should be collected into clean, crush-proof, leak-proof, plastic containers (no glass please) and labeled (see note below). Pollen and wax samples can be collected directly into. Sample containers of honey/nectar and bees should then be placed into zip-lock bags.

3) Label each sample

Each individual container must be labeled using permanent marker. Each individual sample must have the following information on the sample container:

Your name
Date collected
Colony number (or code) or batch designation (for honey or trapped pollen samples).

4) Freeze all samples

After collecting and labeling, place all samples in the freezer until time of shipping. All samples should be frozen at the time of shipping. This is especially critical for brood and bee samples.

5) Ship samples, data sheets and check

Remove samples from freezer and place in insulated bag or small cooler with freeze pack (blue ice – the type used in picnic coolers). Ship overnight or second day to:

Maryann Frazier
Department of Entomology
501 ASI Building
University Park, PA 16802

Include one data sheet (below) per sample.

Include a check made out to Penn State University to cover your cost.
Call or email them for CURRENT COST per sample for full screening
Call or email them for CURRENT COST per sample for miticide screening only

Please DO NOT ship on a Friday or the day before a holiday.

Please be advised that the average turn around time for sample analysis is three weeks.

Questions or concerns contact:

Maryann Frazier
Phone: (814) 865-4621
Fax: (814) 865-3048
Email: mfrazier@psu.edu

Data Sheet (include one per sample)

Beekeeper Name _____
Address _____

Phone Number _____
Email Address _____

Colony Identification (number or name) _____
Colony location _____ (state and county)

Colony health at time of sampling:

Seasonal information (movement, excessive swarming, crops pollinated, etc.):

Why are you submitting these samples?

Please include any additional information that you feel is relevant.