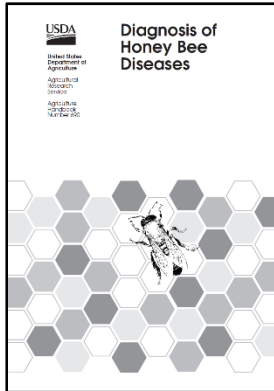


USEFUL RESOURCES



Diagnosis of Honey Bee Diseases

by Hachiro Shimanuki & David A. Knox

USDA ARS Agriculture Handbook Number 690

free download:

www.ars.usda.gov/is/np/honeybeediseases/honeybeediseases.pdf



Honeybee Veterinary Medicine: *Apis mellifera* L.

by Nicolas Vidal-Naquet

ISBN: 978-1910455043



uaex.edu/bees



<http://agriculture.arkansas.gov/apiary1>

The **Bee Informed Partnership** is dedicated to working with beekeepers to better understand which management practices work best. We gather survey data from thousands of beekeepers every season to understand how different management practices affect honey bee health, and we report our findings back to the industry.



beeinformed.org



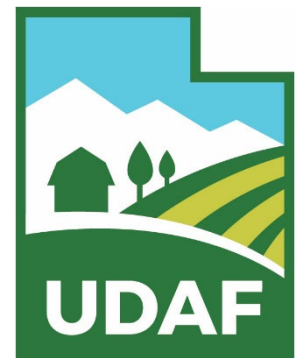
Apiary Inspectors of America

apiaryinspectors.org

The Utah Department of Agriculture now accepts out-of-state samples for pathogen and pest diagnostics. For out-of-state samples they charge \$40 per submission. Each sample will be tested for both American foulbrood and European foulbrood using qPCR testing so it is more accurate than field testing, and there is no ambiguity with the results. They guarantee results within five business days, but it is usually turned much faster than that (call ahead of mailing if the sample is urgent). Also, their our policy to report test results to the state regulatory authority, regardless of who submits them.

Contact:

JOEY CAPUTO | Survey Entomologist
801.972.1669 office | 801.793.0327 mobile
[Website](#) | [Twitter](#) | [Facebook](#) | [Instagram](#)



UTAH DEPARTMENT OF
AGRICULTURE & FOOD



United States Department Of Agriculture
Agricultural Research Service

USDA Honey Bee Disease Diagnostics Lab

- Beekeepers, bee businesses, and regulatory officials may submit samples.
- Samples are accepted from the United States and its territories; samples are NOT accepted from other countries.
- Include a short description of the problem along with your name, address, phone number or e-mail address.
- There is no charge for this service.
- For additional information, contact Sam Abban by phone at (301) 504-8821 or e-mail: samuel.abban@ars.usda.gov

How to Send Adult Honey Bees

- Send at least 100 bees and if possible, select bees that are dying or that died recently. Decayed bees are not satisfactory for examination.
- Bees should be placed in and soaked with 70% ethyl, methyl, or isopropyl alcohol as soon as possible after collection and packed in leak-proof containers.
- USPS, UPS, and FedEx do not accept shipments containing alcohol. Just prior to mailing samples, pour off all excess alcohol to meet shipping requirements.
- Do NOT send bees dry (without alcohol).

How to send brood samples

- A comb sample should be at least 2 x 2 inches and contain as much of the dead or discolored brood as possible. NO HONEY SHOULD BE PRESENT IN THE SAMPLE.
- The comb can be sent in a paper bag or loosely wrapped in a paper towel, newspaper, etc. and sent in a heavy cardboard box. AVOID wrappings such as plastic, aluminum foil, waxed paper, tin, glass, etc. which promote decomposition and the growth of mold.
- If a comb cannot be sent, the probe used to examine a diseased larva in the cell may contain enough material for tests. The probe can be wrapped in paper and sent to the laboratory in an envelope.

Send samples to:

Bee Disease Diagnosis
Bee Research Laboratory
10300 Baltimore Ave. BARC-East
Bldg. 306 Room 316
Beltsville Agricultural Research Center – East
Beltsville, MD 20705

www.ars.usda.gov/northeast-area/beltsville-md-barc/beltsville-agricultural-research-center/bee-research-laboratory (or just search for “usda bee lab”)