

DIAGNOSTIC CLINIC SAMPLE SUBMISSION

Macadamia
Protection
Programme

The **FABI Diagnostic Clinic** provides a disease diagnostic service to members and partners. The overall objectives include:

- Monitor known pest and disease problems.
- Ensure the early identification of new pest and disease problems.
- Improve capacity for pest and pathogen identification.
- Inform future research focus areas.

Feedback Identifications based on morphology can take time, but you should receive feedback in two to three weeks. In cases where more in-depth analyses are required, such as baiting, moisture chamber, PCRs, DNA sequencing etc., we usually require an additional week or two.

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Sample collection and submission

1. Identify diseased plant/s.
2. Identify symptoms (wilt, death, dieback, canker, root rot, etc.).
3. Take photographs.
4. Document any environmental conditions linked to symptoms.
5. Ensure that appropriate samples are collected. For example, collect tissue where primary symptoms are present as well as healthy looking tissue. Alternatively, collect the whole plant if it is small enough. Soil should always accompany root samples.
6. Complete the online diagnostic clinic form (https://docs.google.com/forms/d/e/1FAIpQLScVOTV6djETZhFsmLUkqMwKIAD-ySIV_5U_JM5Lb07R6aT7Hg/viewform).
7. Samples should be individually wrapped, labelled and placed in a sturdy box or padded envelope. Soil samples should be between 150-300g and sealed in a plastic bag. Insect specimens, such as beetles, larvae or moths, should be sent in small vials filled with surgical alcohol.
8. Send samples overnight to ensure freshness.

