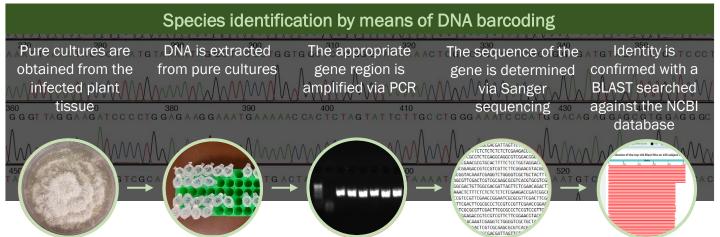
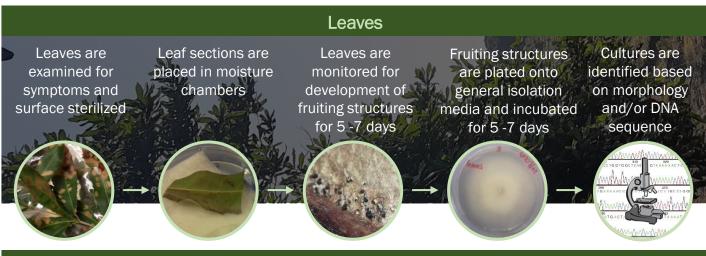
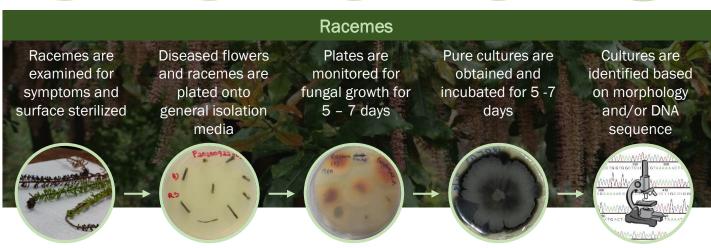
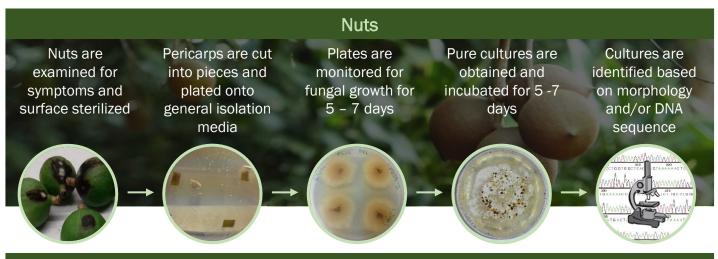


**Processing samples** can take time, but you should receive feedback in 2 – 3 weeks. To identify potential pathogens based on morphology, a pure culture of the isolate must first be obtained. This is done through cultural techniques and requires time for the isolates to grow. In cases where a more in depth analysis is required, such as baiting, DNA sequencing etc., we usually require an additional week or two, but this will be communicated to growers.









## **Branches**

Branches are surface sterilized and examined for discoloration Pieces are cut to expose the pith and plated onto general isolation media Plates are monitored for fungal growth for 5 -7 days Pure cultures are obtained and incubated for 5 -7 days Cultures are identified based on morphology and/or DNA sequence











## Roots and soil

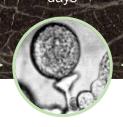
Roots and soil are screened for Phytophthora, Pythium and Rosellinia Soil and roots are flooded with distilled water, baited with susceptible leaves and monitored for 2-10 days

Infected leaves are plated onto Phytophthora selective media and monitored for 5-7 days Pure cultures transferred from primary isolation plates are incubated for 5 -7 days Cultures are identified based on morphology and/or DNA sequence











## Roots and soil continued

Roots that display rot are plated onto Rosellinia specific media

Plates are monitored for fungal growth for 7-14 days

Cultures are identified based on morphology and/or DNA sequence







