

Pachymetra and Nematodes sampling procedure

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<https://sugarresearch.com.au/growers-and-millers/pests-and-diseases/>

Under the section Diseases > information sheets and forms

Pachymetra root rot

- Sample using a soil auger / corer
- Take cores through the planting line (in the row)
- Make a composite sample of 8-12 cores to a depth of 25 cm over a significant area of the crop
- Place the cores in a bucket and mix thoroughly
- Subsample about 250 gm of soil and place this in a labelled plastic bag
- Fill in the SRA Tully soil assay form
- Email the form to SRA Tully
- Send the samples to SRA Tully

Nematode samples

Please contact the laboratory prior to sampling to check availability.

Do not sample on a fully tilled soil.

Samples should be taken in a moist soil (2-3 days after rain: field capacity) but not after an excessive rainfall episode as it will affect the nematodes extraction/ count. Do not take out roots from the sample.

Sample on Monday or Tuesday and send samples as soon as possible via express mail or courier. For short-term storage keep between 10-25°C out of the light.

- Sample using a soil auger/corer
- Take cores from the edge of the row (edge of the hill) where the active roots are located.
- Make a composite sample of min 15 cores/ha to a depth of 25 cm in same soil type. If soil type varies, take 2 samples for two different assays
- Place the soil carefully in a bucket and **mix gently**
- Subsample about 250 gm of soil and place this in a labelled plastic bag
- Place the soil immediately in a cooled esky – it is imperative that the soil be kept between 10-25°C
- Fill in the SRA Tully soil assay form
- Email the form to SRA Tully
- Send the samples to SRA Tully