

# Cricket Soil Analysis

**SportsTurf Consultants** provides a comprehensive range of laboratory services for cricket wicket soils to assess their suitability for use in constructing and topdressing wickets.

Other laboratory services are available to assist the Curator in the management of his wickets and outfield. These laboratory services can be used either to;

- solve specific turf problems before excessive damage to the turf surface occurs and costly remedial action needs to be undertaken
- or as part of a routine monitoring program of the turf environment to provide good healthy turf and to optimise all of the inputs needed to maintain turf.

## **Cricket Wicket Soil Analysis**

- Sand, silt & clay %
- Cracking pattern
- Linear shrinkage
- pH & salts



## **Soil Chemical Analysis**

- pH & salts
- Full Nutrients
- Organic Matter



## **Leaf Tissue Analysis**

### **Water Analysis**

- pH & salts
- Irrigation Suitability

### **Biological Analysis**

- Disease Assessment
- Insect & weed identification
- Nematode Testing
- Soil Biology Assessment



## **Geotech Laboratory & Site Investigation**

**Other tests are available – contact us to discuss your requirements**

**SportsTurf Consultants (Aust.) Pty Ltd**

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# Sampling Instructions

It is vital that samples are taken correctly to ensure that the desired analysis proceeds accurately and without delay. Various tests require different types of samples.

**pH, Salts & Nutrients:** Randomly collect 400g of cores to a depth of 75mm (3") at regular intervals over the whole area. One or two large cores are not adequate to give an accurate result.

**Leaf Tissue:** Collect fresh clippings from the grass catcher (at least 500g) and place in a strong paper bag. Keep cool until dispatched.

**Disease Assessment:** Take a sample 75-100mm (3-4") diameter and 50mm (2") deep from the edge of the damaged area. The sample should include affected and good turf. Wrap each sample tightly to prevent sand movement and clearly label. Refrigerate until dispatch by overnight post or Courier.

**Nematode & Soil Biology Assessment:** For sampling defined areas, collect 400g of small cores (75mm deep) from the edge of the affected areas to make one sample. If the area tested is not well-defined, or if making a general check, take multiple cores from across affected areas to give a good representation of the nematode population across the area, not isolated populations. Wrap each sample separately and clearly label. Refrigerate until dispatch by overnight post or Courier.

**Water:** Prior to collecting sample allow the irrigation system or bore to run for 30 minutes. Collect the sample from the pump or sprinkler during operation. Rinse out a soft drink bottle and lid several times with the water to be tested. Fill the bottle completely and seal. Use tape around the cap to prevent leakage. At least 1L is needed. Refrigerate until dispatch by overnight post or Courier.

**Soil Suitability Testing:** Take 20-30 sub samples from around the stockpile. Combine into one sample & quarter if necessary to obtain the required size. If testing existing turf, take 15-20 large cores (2" plugs) from different locations within the sample area and combine to form one sample. A minimum of 2kg of soil is required. Dispatch samples by normal post or Courier.

## Sample Submission

- *Ensure all samples are well labelled with a waterproof marker*
- *Enclose a completed submission sheet and/or a covering letter detailing sample location, situation, date taken, tests required, symptoms/problem & contact details*
- *Send samples as follows;*
  - All soil, water & leaf tissue samples to our Melbourne office*
  - Disease, insect, weed & nematode samples:*
    - QLD clients – send samples to our Brisbane office*
    - All other states – send samples to our Melbourne office*



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