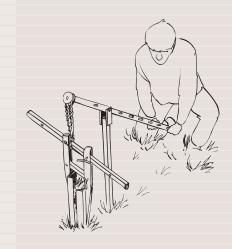
You will return to the contents of P1 SOIL by clicking the pictogram



P1.32

The peat profile sampler is extracted from the soil by means of a lever and a support.



05.09 Peat profile sampler, type Wardenaar

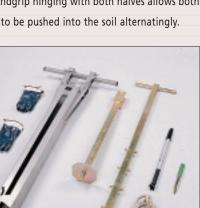
Until recently, sampling undisturbed peat profiles in peat lands, was a very difficult activity. Digging and sampling profile pits in most peat lands is difficult (if not impossible) as they would immediately fill with water and the walls would slump.

Researching the ecology of peat land environments and the dynamics and stratigraphy of peat profile requires undisturbed samples, especially of the top layers, where most biological activity takes place.

The peat profile sampler, type Wardenaar, is an apparatus for sampling intact, undisturbed peat profiles in peat lands up to a depth of 1 meter.

The peat profile sampler consists of a rectangular stainless steel box casing, divided lengthwise into two halves, with very sharp specially shaped cutting edges at the base.

The handgrip hinging with both halves allows both halves to be pushed into the soil alternatingly.



Peat profile sampler set



Peat profile

A clamp mechanism on the grip allows the profile to be clamped in the sampler when it is extracted from the soil. A small diameter tube is fitted to break the suction of the sample.

The standard set contains, among other items: the peat profile sampler, tools, lever beam with support and a hand pump.

## Advantages

- ☐ One person is capable of extracting a 1 meter long profile in less then 10 minutes.
- ☐ Sizeable, undisturbed samples from (wet) peat lands are possible.
- ☐ After opening the profile can be sampled or researched immediately.

## **Applications**

The profile is used for:

- Root growth studies.
- Pollen analysis.
- Macro-fossil studies (paleo-ecology).
- Creating soil monoliths.



Peat profile sampler, type Wardenaar

