

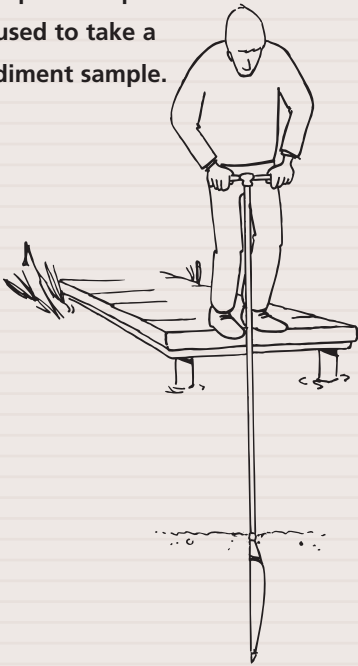


You will return to the contents of P1 SOIL by clicking the pictogram

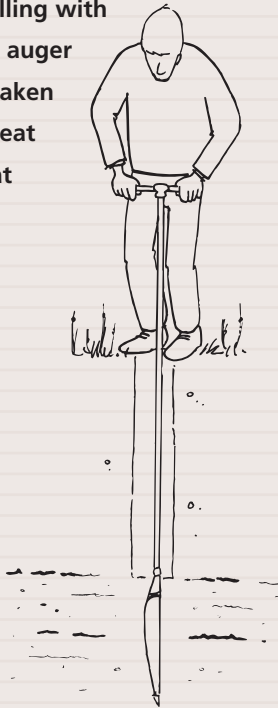
SEMI DISTURBED SEDIMENT SAMPLING

P1.43

The peat sampler is used to take a sediment sample.



After pre-drilling with the Edelman auger a sample is taken of the wet peat with the peat sampler.



For taking semi disturbed samples in more or less swampy peat soils or in wet flabby and very soft (under water) mineral soils a number of special samplers have been included in the program.

04.09 Peat sampler, standard set for sampling to a depth of 10 m

The stainless steel peat sampler is in fact a kind of gouge auger. The peat sampler is pushed into the soil manually. The sample containing part is a half cylinder. The peat sampler distinguishes itself from the standard gouge auger as its cone is massive.

The sample containing section is sealed off by a plate (fin) that can pivot around the axle in the middle of the sampler and that is fitted with a cutting edge on one side. Having arrived at the correct sampling depth the complete sampler is given half a turn clockwise (180°). During the turning the fin remains in position which allows the half cylinder to be filled and closed again.

The half circular sample cylinder is kept closed by the other side of the fin during extraction.

The peat sampler is only suitable in flabby and very soft soils. To achieve maximum stability the connections between the T-handle, the extension rods and the bottom part have been executed as conic threaded connections.

The standard set consists of: a T-handle with extension rods, an Edelman auger, a peat sampler, a push-/pull handle, tools, maintenance kit and a fibre glass utility probe. The whole is kept in a sturdy aluminum transport case.

Advantages

The advantages of a peat sampler by comparison to other gouge augers are:

- At almost any desired depth a semi disturbed sample can be extracted with a length of 50 cm.

BENEFITS

04.09 Peat sampler

- Samples saturated AND unsaturated material
- Stainless steel sample body for all analyses
- Simple gouge-with-flap principle
- No loss of sediment by large closing flap
- Effective to sample young peat and sediment
- Takes point samples at any depth (if soft)
- Anyone can operate



Peat sampler set

