

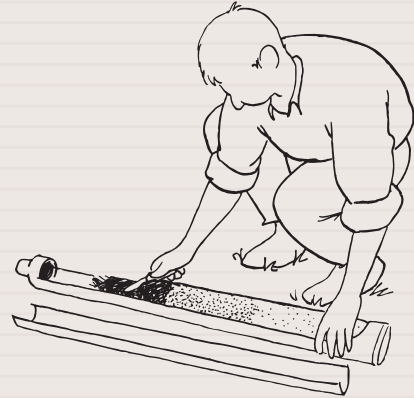


SOIL COLUMN CYLINDER AUGER

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

P1.09

After taking only one sample the whole soil profile can be studied.



After the cutting shoe has been freed applying the hand operated auger, it is extracted using a steel hook.



- The device is readily portable.
- The device is simple to operate.
- Can be applied to virtually all types of soils (also between crops).
- Causes a minimum of inconvenience and/or damage to those using the soil.

Limitation: hard to apply on wet soils, stony and/or rocky soils.

Applications

The soil column cylinder, among other things, can be used for:

- Structure description of the soil (also the very thin layers).

- Investigation of the root to gain insight in the possibilities for a root system considering depth and intensity.
- Determination of contents and density of the soil using undisturbed samples.
- Researching the moisture content and the concentration of dissolved substances in long running field studies.
- Studies after the flow behavior of water and dissolved substances in for instance soils where very preferential moisture transport occurs.
- Archeological research.



Soil column cylinder



Sample gutter with sample



Extraction system

BENEFITS

05.07 Soil column cylinder auger

- A smooth large sample with a small effort
- Low pull out friction due to loose cutting ring
- Large window for sub sampling or description
- Mobile yet very powerfull
- Ideal for serious studies on top 1 m of soil