



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

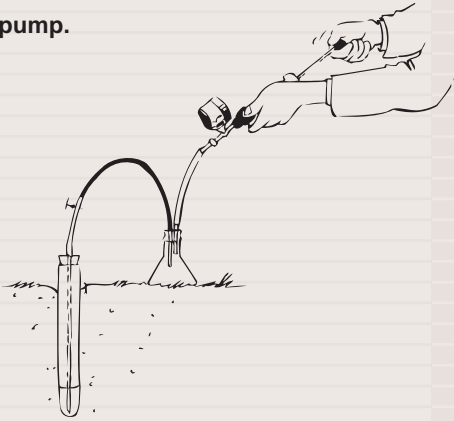
SOIL MOISTURE SAMPLING

P1.65

Holes of various depth are augered to install the soil moisture samplers.



The soil moisture collected is pumped into the bottle using the vacuum pump.



Samplers with large ceramic cup

12.03 Soil moisture samplers with large ceramic cup, standard set

The soil moisture samplers with large ceramic cup are used for the same purposes as described previously. However, this type of sampler is buried permanently on a fixed location and at a fixed depth. Because of the larger cup it is possible to collect a larger amount of soil moisture in a relatively shorter period of time. The soil moisture samplers with a large ceramic cup are available in various lengths.

An Edelman auger is used for pre-drilling the hole. In order to obtain proper contact between soil and sampler synthetic sand can be used.

The under pressure is created using a vacuum pump fitted with a manometer.

The sample can be collected in a sampling bottle.

The standard set consists of 3 soil moisture sampler with length 30, 60 and 90 cm, a vacuum pump with manometer, sample bottles, silicon stoppers, teflon tube, Edelman auger, handle and a container with synthetic sand for installation of the soil moisture samplers.

Samplers with a length up to 150 cm are available on request.



BENEFITS

12.03 Soil moisture sampler large ceramic cup

- Cheap and simple
- Perfect for low interaction chemicals (nitrate)
- Sturdy samplers for long term installation
- Body of trace metal free PVC
- Sample stored in body; no separate jars
- High quality 92% pure Al₂O₃ porous cups
- Simple installation, use, and sub-sampling
- Sample collected by inserting a "catheter"

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