



DESCRIPTION

The Rainfall Simulator consists of a metal frame that supports the spray head assembly. The unit may be placed directly on the ground for field studies or used with its accessory tray for laboratory experiments. In use, water is pumped from the holding tank via a control valve to the spray nozzle. Water from the spray nozzle is interrupted by a horizontal rotating disc driven by a variable speed motor. Adjustable width apertures in the disc enable some water to pass and the remainder is recirculated via the tank. For use in field or laboratory, electrical and water supplies are required.

Technical Specifications

Rainfall Simulator comprising:

- Spray head assembly supported by metal stand
- Storage tank from which water is pumped to spray head via flow meter and control valve
- Small square test plots
- Tilting stand for test plots
- Sample vessels
- Rain gauges

EXPERIMENTS

- Investigate the relationship between rainfall intensity and soil erosion
- Investigate the nature of soil erosion potential on different soil types
- Investigate the methods by which soil erosion may be prevented
- Determine the kinetic energy of simulated rainfall at various rainfall intensities
- Obtain a relationship between splash erosion and intensity of simulated rainfall

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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