

C mineralization incubation

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Abstract

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Protocol

Step 1.

Each fresh soil sample of 25 g was put into a 250 ml glass jar

Step 2.

The pre-incubation was conducted at 25°C and 60% water-holding capacity for one week

Step 3.

After one week of a pre-incubation period, CO₂ samples were taken after 1, 3, 6, 9, 13 days, and then every 7 days interval up to 27 days, 14 days up to 55 days and later 24 days up to 124 days of incubation. Before taking CO₂ samples, we closed the jars with air-tight seals for 24 h.

Step 4.

The CO₂ concentration was measured using a gas chromatograph (Agilent 7890A).