

# Root Biomass Analyses

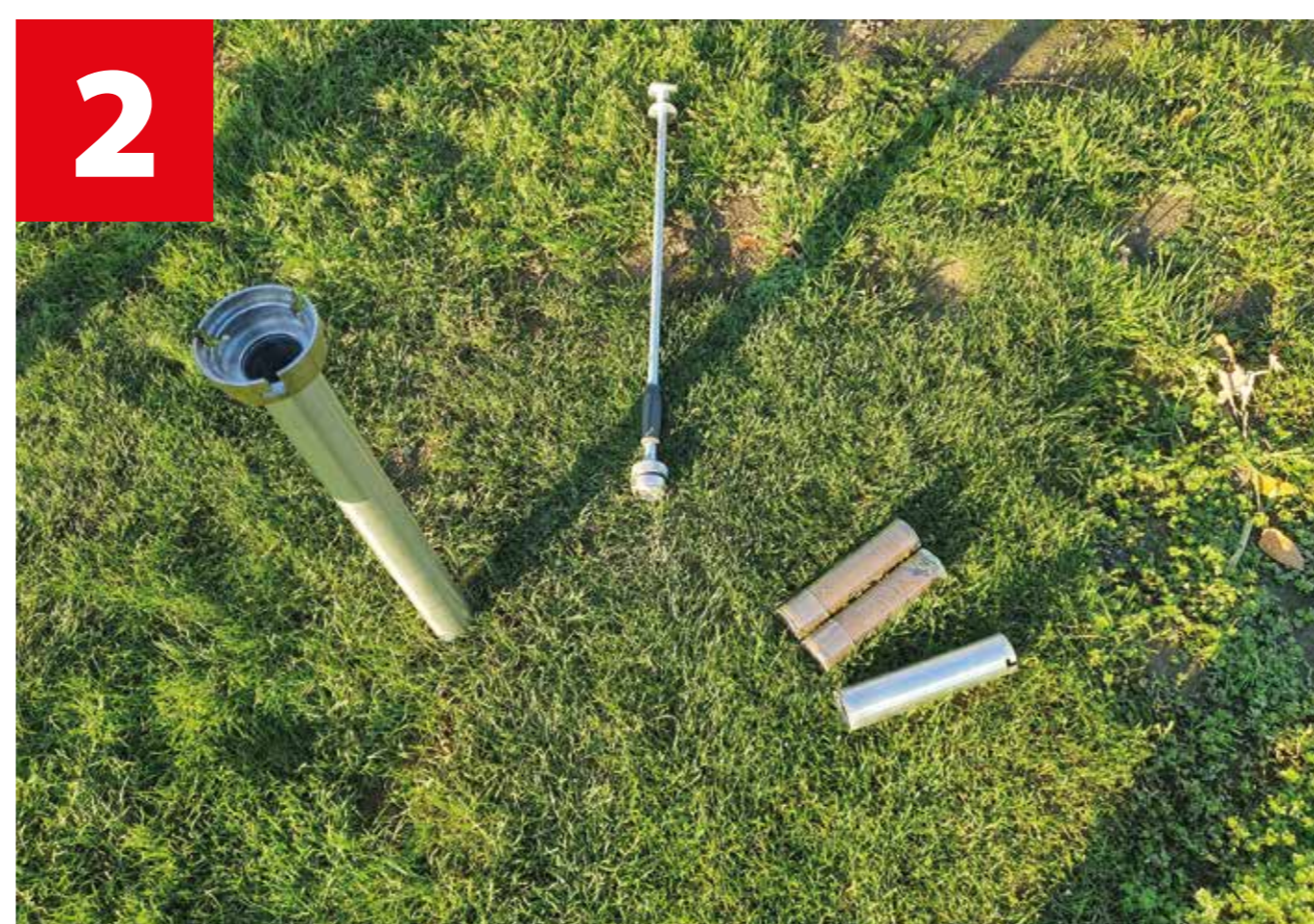
Root biomass is a parameter that is both important and difficult to measure, since root morphology in pot trials is markedly different from the morphology of plants growing naturally in the soil. This innovative analytical method allows an exact determination of root biomass, even in open land.



1

## Core sampling of the surface

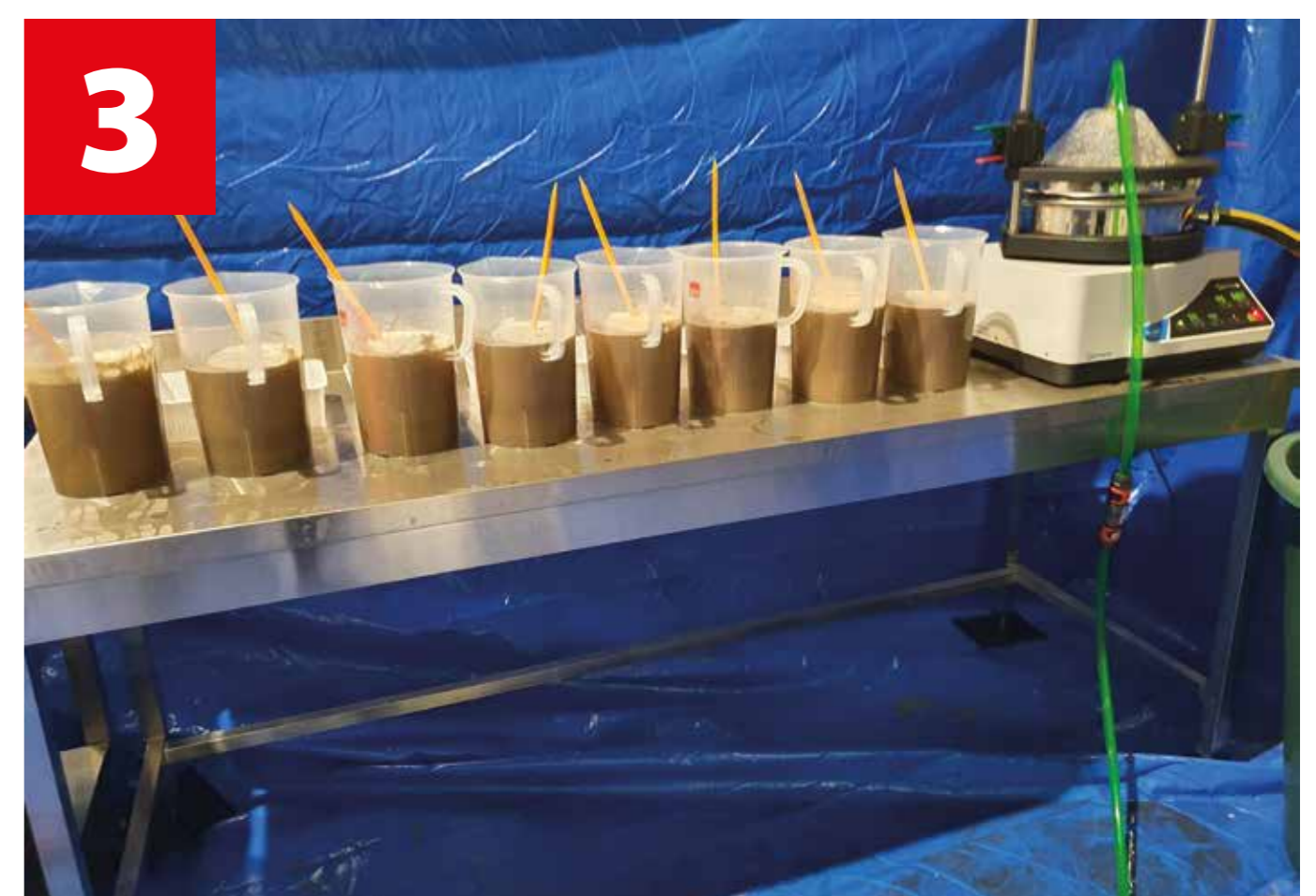
to a depth of up to 100 cm



2

## Drill probe and soil samples in sample tubes

Sampling in 20 cm segments



3

## Sample preparation

Suspension of individual soil samples.



4

## Wet sieving of the suspended sample material Separation of the root mass



5

## Drying of the root material

for an exact determination of the dry root mass



6

## Weighing of the dry root mass

Weighing of the parameters, calculation of root biomass in kg/ha

## Root Biomass Comparison

