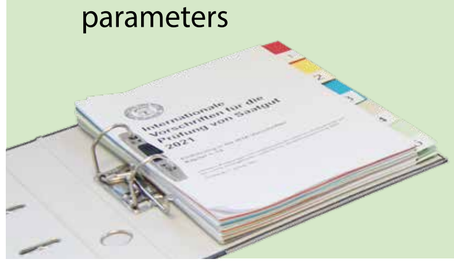
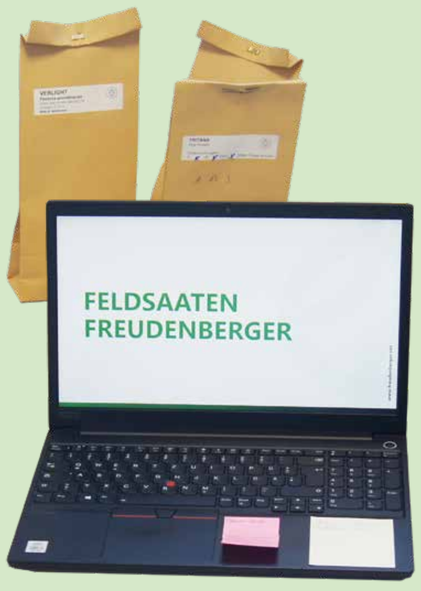
Setting up a pot trial

1 Draw up an experimental design

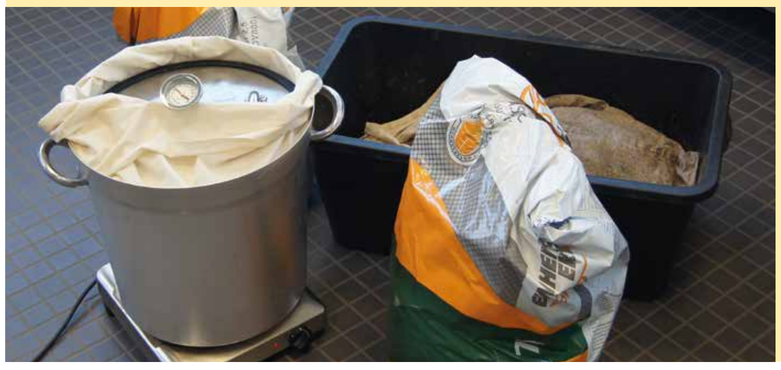
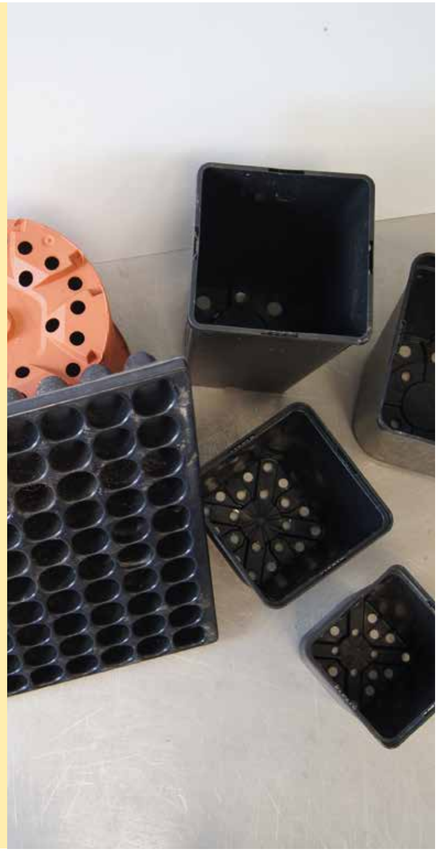
- **Literature** review and research
- Defining the **research question**
- **Planning**
  - Choosing suitable species and varieties
  - Experimental layout: randomisation and blocking
  - Water, fertiliser and light arrangement
  - Technique for applying biostimulants
  - Choosing substrates
- Establishing the **observation** plan and **analysis** parameters





2 Preparatory steps

- **Steaming** the substrate (potting substrate, field soil) using a pressure cooker
- **Sterilising the** sand in an oven
- Acquiring seed and **pre-treating** if needed
- Choosing suitable **pots**

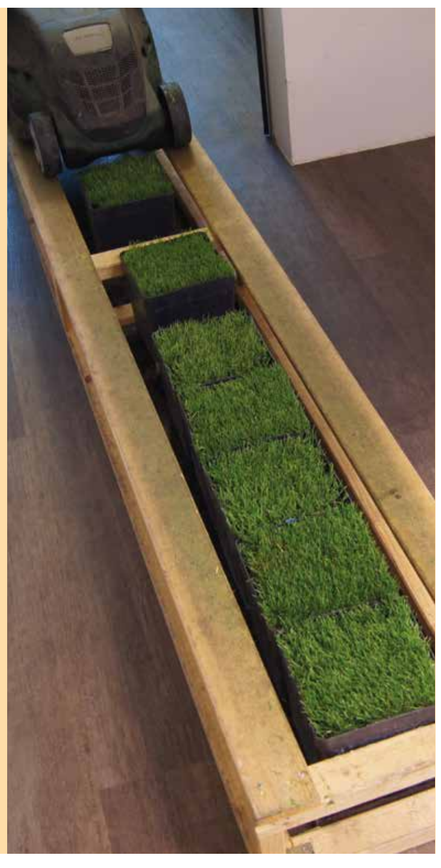
3 Setup

- **Filling** the pots with the chosen substrate, mixing in additional substances as necessary
- **Treating** seeds with biostimulants/ RhizoFix®
- Watering the pots and **sowing** seeds

4 Upkeep and observation

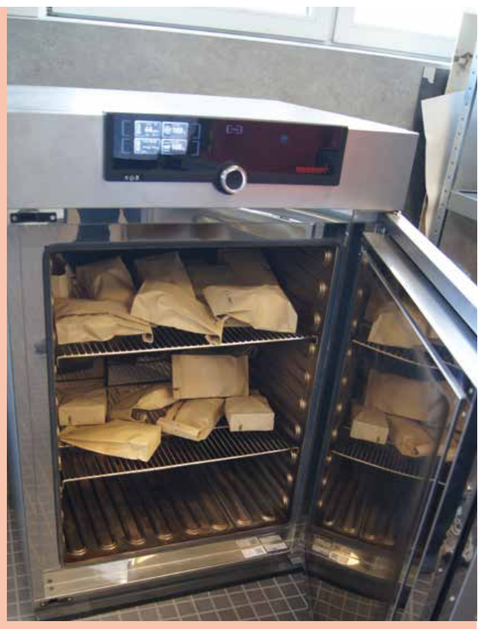
- **Observing** pots following a pre-established observation plan
- Photographic **documentation**
- Fertilising as needed and/or according to the test approach
- Mowing, staking, etc.

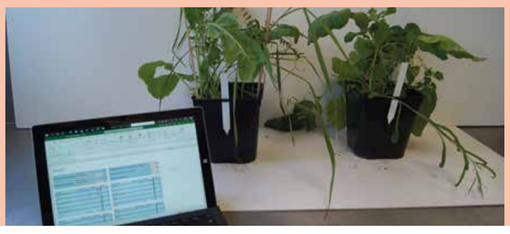




5 Harvest

- Final observation with photographic **documentation**
- **Determining** shoot and root biomass
- **Nutrient analysis**
- **Microbiological tests**: e.g., to detect endophytes in the plant material
- **Determining and documenting** additional parameters/characteristics of importance for the research question






6 Evaluation

- Summarising the results in a **trial report**
- Preparing a graphical **presentation** and statistical **evaluation** of the data obtained
- **Data interpretation**
- Planning potential follow-up trials