## Devices in use:

|  |  |  |
| --- | --- | --- |
| Anemometer | pH meter | System box |
|  |  |  |
| Measures air flow just beneath the air duct | Measures pH on the bed | Measures co2, compost temperature and moisture, air temperature and humidity |

## Check list:

Please follow this check list at the start of each go with the system for data collection.

This will act as your support company to help you be on track with each step required starting from using the system box, recording other environment measurements like air flow using the anemometer to documenting all required data on daily basis

### Data collection Routine

Start with Anemometer, take one reading at the entrance, record onto datasheet under air flow table

Take pH meter and record readings from the bed and document on to data sheet under pH table

When reached in the middle of the shelf, take another anemometer reading and continue with pH meter until the end of the shelf where a last measurement needs to be taken from the anemometer. Please make sure all readings are recorded onto data sheet.

Once this has been done, start with the multisensory system box. Record data using the system and document for future use.

pH meter

Sensor System box

Anemometer

### Routine checks

|  |  |  |  |
| --- | --- | --- | --- |
| Device | Checks | | |
| Entrance | Middle | End |
| Anemometer | Reading 1 | Reading 2 | Reading 3 |
| pH meter | 3/4 readings | 3/4 readings | 3/4 readings |
| System box | 3/4 readings | 3/4 readings | 3/4 readings |
| Document readings for the day | | | |
| Check Battery LED intensity and  recharge in need | | | |

Please make sure all readings -7 all together- are documented under correct data and table

Environmental parameters datasheet where recoded readings can be found [here](https://universityoflincoln-my.sharepoint.com/:x:/g/personal/akundu_lincoln_ac_uk/EarAdw7UKkNFhYc55-TtMUEBOL-Ayh-o6cKQGNo1JZOmjQ?e=ForwEt)