|  |  |  |  |
| --- | --- | --- | --- |
| **Sample ID** | **New Plant Material Weight** | **Sample ID** | **New Plant Material Weight** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**STEP 1: Identification**

* Check each well in rearing tray for fifth instar larvae
* Write the date on the well for the fifth instar larvae

**STEP 2: Treatment**

* Remove old plant material and filter paper from well
* Place a new square of filter paper in well
* Add a few drops of water to filter paper
* Cut and weigh new plant material
* Add new plant material to well and seal

**STEP 3: Data**

* Create Sample IDs for all fifth instar larvae identified (Refer to data sheet for sample ID notation)
* Record plant material weight

**STEP 4: Removal**

* At the end of its ultimate instar, move the larvae from well to microtube for extraction
* Remove and weigh plant material
* Collect frass and weigh