|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Week** | **xx** | **xx** | **xx** | **xx** | **xx** | **xx** | **xx** | **xx** | **xx** | **Time** |
| **#** | **Day** | **1** | **3** | **5** | **1** | **3** | **5** | **1** | **3** | **5** | **1** | **3** | **5** | **1** | **3** | **5** | **1** | **3** | **5** | **1** | **3** | **5** | **1** | **3** | **5** | **1** | **3** | **5** | **min** |
| **Nursery tasks** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | **Remove (7d) old nursery box (1 boxes/day)** ***(M1)**** Take out box with 7-DOL
* Weigh the total mass (g)
 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 10 |
| 2 | **Connect new love cage to dark cages*** Weigh empty & clean cage and bamboo frame
* Connect love cage to first dark cage
* Disconnect love cage after 30mins
* Weigh cage (filled with flies) again
* Connect to next dark cage and repeat process
 |  |  |  |  |  |  |  |  |  | W | W |  |  |  |  | W | W | W | W | W |  |  |  |  | W | W | W | 30 |
| 3 | **Prepare (8) new pupation boxes*** ¾ compost, ¼ H2O
* 3 kg of mixture per box
* Place boxes in pupation frame
 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 30 |
| 4 | **Remove old nursery Larvero*** Remove material
* Use material for fly attractant
 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 10 |
| 5 | **Harvest and process prepupae (PP) *(M2)**** Sieve PP from outer box
* Add coco peat to outer box and place back
* Weigh PP from each Larvero
* Count, dose and add **1,250 PP** per pupation crate
 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 60 |
| 6 | **Add food in nursery Larveros** (see **Annex B2** for the feeding schedule) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 10 |
| 7 | **Love cage and hatchling shower maintenance (M3)*** Prepare new egg media for selected love cage
* See **Annex C2** for the media switching schedule
* Replace tea strainers full of eggs on hatchling shower frame with old tea strainers
* Clean wooden eggies and tea strainers with the air compressor machine
 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 60 |
| 8 | **Prepare nursery box (1 box/day)*** Add 4kg of feed/crate and cover with coco peat
* Place under tea strainers
 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 10 |
| 9 | **Prepare new nursery Larvero (1 box/day)*** Add 2 kg of feed to the box
* Cover with coco peat
* Add 10,000 7-DOL/box
* Place the box on outer box
* Add coco peat to outer box
 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 10 |
| 10 | **Remove (7 d) old love cage (1 cage/day)** ***(M3)**** Remove eggies from cage
* Collect dead flies for new attractant
* Clean containers removed from LC
* Wash cage on Cotton quick programme
 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 60 |
| 11 | **Set-up new love cage (1 cage/day) *(M4)**** Weigh full cage with flies
* Move cage to love cage table
* Add attractant, eggies, cover & water container
* Take sample of 20 flies (1x)
 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 40 |
| 12 | **Remove (3 wk) old dark cages*** Take (8) boxes out
* Empty boxes
* Wash cage on Cotton quick programme
 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 10 |
| 13 | **Set-up new dark cages*** Add 8 pupation (2 wk old) boxes/cage
* Add label on it and tie the cage tunnel
 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 10 |
| **Upkeep tasks** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| U1 | **Fill water of ant traps** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 5 |
| U2 | **Clean nursery room** * Sweep floor and clean frames
 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 240 |
| U3 | **Clean work tables** * 1st with detergent, 2nd with alcohol
 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 5 |
| U4 | **Clean Lab** * Sweep floor and store all stuff on shelf
 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 10 |
| U5 | **Clean lab table** * 1st with detergent, 2nd with alcohol
 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 5 |
| U6 | **Wash towels and lab coats (at 60-90 degrees)** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 5 |
| U7 | **Data collection nursery activities on log sheet** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 10 |
| U8 | **Input nursery and waste treatment collected data** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 30 |
| **Measuring/Monitoring tasks** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| M1 | **Enumerate 7-DOL*** Weigh the total mass (residue & 7-DOL) in g
* Mix the material and sample 2 scoops randomly
* Count # of 7-DOL in 5g (2x)
* Extrapolate and count total # of 7-DOL
 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 60 |
| M2 | **Enumerate prepupae*** Weigh PP from each Larvero separate
* Mix PP and weight 2 samples of 200
* Enumerate 1,250 PP/pupation box
 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 30 |
| M3 | **Harvesting eggs*** Scrape off the eggs from wooden eggies
* Weigh (g) the mass of eggs
* Put the eggs into tea strainers
 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 80 |
| M4 | **Count flies*** Collect 20 flies from new cage
* Add ethyl acetate to cork jar and add flies
* Take flies out and weigh
 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 15 |