

Black soldier fly 18-gallon rearing bin instructions

Materials required for small bin:

- *One (1) 18-gallon tote*
- *Two (2) 1-inch x 1-inch diameter 90-degree elbow PVC fitting*
- *One (1) 1-inch x 10 ft PVC pipe (could be 5ft)*
- *Two (2) 1-inch x 1-inch diameter 90-degree Tee PVC fitting*
- *One (1) 1-inch ball valve*
- *1-inch circular drill bit*
- *Drill*
- *PVC cutter*
- *Hand saw*
- *File*
- *Gloves*

Steps:

1. Mark the spaces on your tote and other materials that you plan to cut (one hole in the lid, two holes on one short side for exit ramps)
2. Measure the 10-foot PVC tube out to match the length and angle you want your larvae exit ramps to have
3. Cut PVC tube with PVC cutter and mark where entry holes will be for larvae to enter the ramps
4. Use handsaw to cut out entry holes in the PVC pipe exit ramp and then use the file to make the edges smoother
5. Attach elbow PVC fittings to the end of the entry hole ramps, set aside
6. Drill four holes into your tote (two for the ramps, one for the adult entry hole, and one for the drain valve)
7. Place the ramps into the pair of openings on the side and secure them
8. Cut out two pieces of PVC piping that will connect to a PVC Tee fitting in the center (this will be where the larvae crawl out of the bin)
9. Attach and secure valve on opening near the bottom of the tote
10. Attach the second PVC Tee fitting to the top for adult fly entrance

Exit spots for PVC pipe ramps



Tee PVC secured onto lid



Drain valve



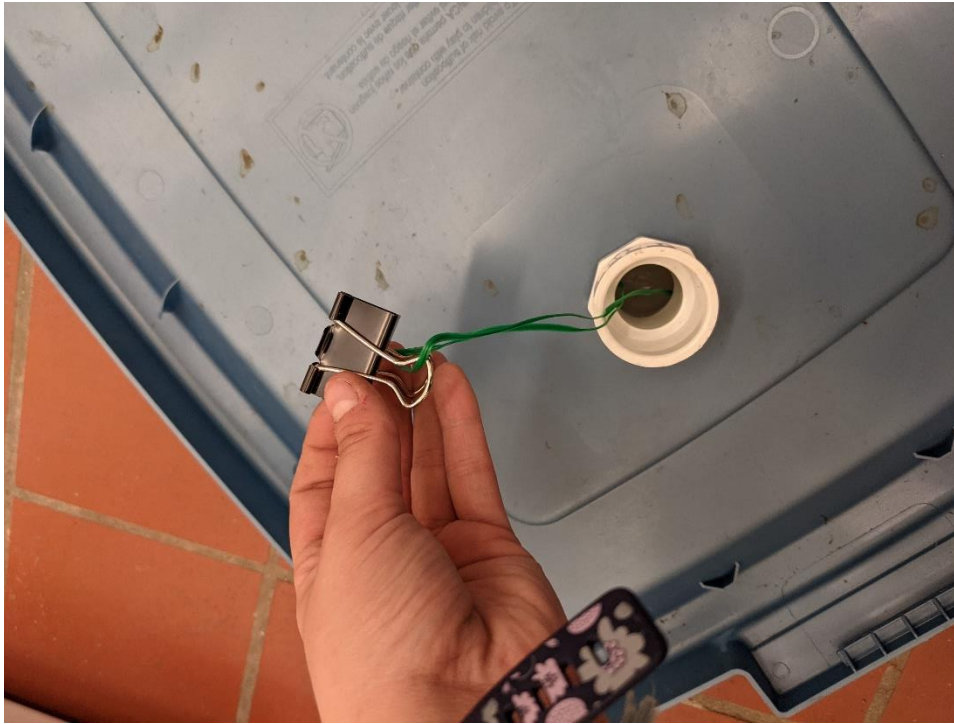
Length and hole sizes in PVC ramps



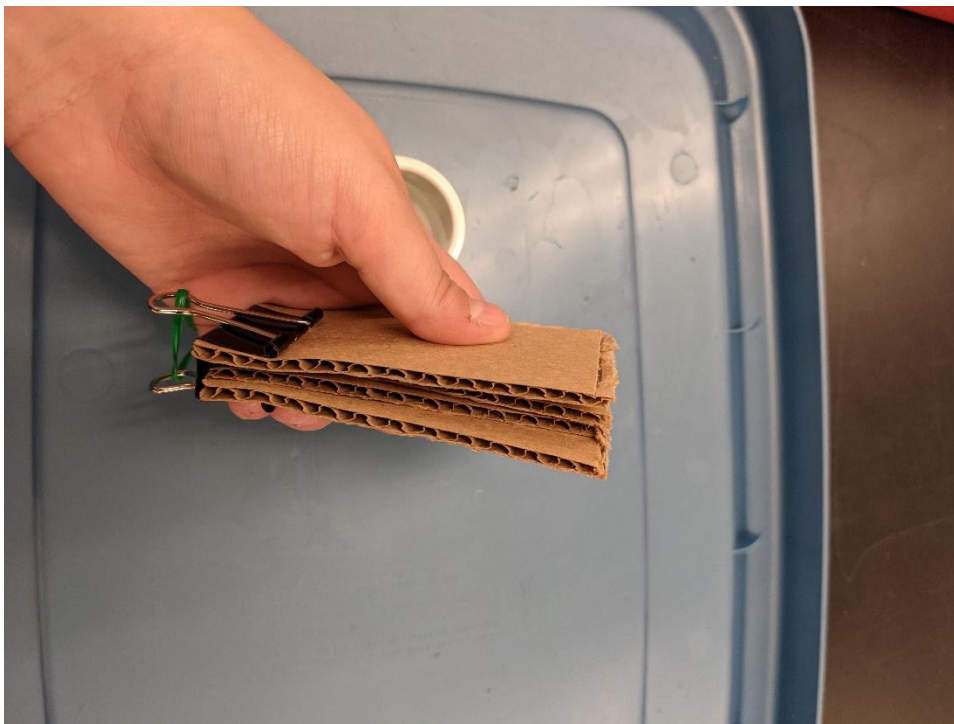
Close up of PVC pipe with larvae exit holes



Clip to secure egg laying cardboard substrate



Cardboard egg laying substrate



Close up of larvae exit (tee PVC)

