

AUTOMATED MASS REARING SYSTEM FOR INSECT LARVAE

ABSTRACT

Embodiments of the present disclosure can provide an automated mass rearing system for insect larvae. The automated mass rearing system can facilitate hatching, feeding, monitoring the growth and emergence of insect larvae and pupae. In some embodiments, the automated mass rearing system can include a production unit, a transportation unit, a storage unit, a dispensing unit, and a monitoring unit. In some embodiments, this automated mass rearing system can facilitate mass mosquito growth from egg hatching all the way through to full adults or certain stages in between such as the larvae rearing process (*i.e.*, from larvae to pupae) with little or no human intervention. By automating the rearing and transportation of insect eggs, larvae, and pupae, deaths or developmental issues can be minimized. Various techniques and apparatuses are used in this automation that causes minimal disturbance to the insects during development, and thereby maximizing survival rate and fitness of the insects.

Figure 2