Claims:

1. A ~~feeding~~ dispensing system ~~specifically~~ for dispensing a feed to a plurality of trays stacked vertically in a rack with spacings between the plurality of trays, the dispensing system comprising:

a base unit adapted to be movable and having an upright; and

a dispensing unit having a dispensing arm with an inlet, one or more dispensing nozzle~~s~~ and a fluid path defined within the dispensing arm and running from the inlet to the one or more dispensing nozzle~~s~~ and a flow controller provided to regulate a flow of the feed flowing through the fluid path,

wherein the dispensing arm is adapted to be coupled to the upright of the base unit such that the one or more dispensing nozzle is positionable within one of the spacings to evenly distribute the feed throughout one of the plurality of trays that is under the one or more dispensing nozzle.

2. The ~~feeding~~ dispensing system according to claim 1 wherein the base unit further comprises:

a movable platform and wheels provided on a bottom surface of the movable platform,

wherein the upright extends from a top surface of the movable platform.

3. The ~~feeding~~ dispensing system according to claim 2 wherein the dispensing arm is movably mounted to the upright.

4. The ~~feeding~~ dispensing system according to claim 2 further comprising:

a feed mixing container fluidly connected to the inlet, the feed mixing container having a stirrer ~~to stir the feed~~.

5. The ~~feeding~~ dispensing system according to claim 2 further comprising:

a plurality of the dispensing units, each dispensing unit is movably mounted to the

upright to allow adjustment of the dispensing arm to accommodate the ~~different~~ spacings between the plurality of trays on the rack.

6. The ~~feeding~~ dispensing system according to claim 5 further comprising a feed mixing container having a stirrer, wherein the feed mixing container is provided on the movable platform and the inlet of each dispensing unit is connected to a connecting pipe that fluidly connects the plurality of dispensing units to the feed mixing container.

7. The ~~feeding~~ dispensing system according to claim 6 further comprising a plurality of the connecting pipes, each connecting pipe ~~is~~ fluidly ~~connected to~~connects the inlet of one of the plurality of dispensing unit to the feed mixing container.

8. The ~~feeding~~ dispensing system according to claim 5 further comprising a feed mixing container having a stirrer, wherein the feed mixing container is provided above ~~the~~ a top most of the plurality of dispensing units and the inlet of each dispensing unit is connected to a connecting pipe that fluidly connects the dispensing unit to the feed mixing container.

9. The ~~feeding~~ dispensing system according to claim 8 further comprising a plurality of the connecting pipes, each connecting pipe ~~is~~ fluidly ~~connected to~~connects the inlet of one of the plurality of dispensing unit to the feed mixing container.

10. The ~~feeding~~ dispensing system according to claim 5 further comprising a plurality of feed mixing containers, each feed mixing container having a stirrer and each of the plurality of feed mixing containers is fluidly connected to the inlet of one of the plurality of dispensing unit.

11. The ~~feeding~~ dispensing system according to claim 1 wherein the upright includes a track to allow moving of the dispensing arm along a length of the upright.

12. The ~~feeding~~ dispensing system according to claim 1 wherein the flow controller is an adjustable valve to regulate the flow of feed.

13. The ~~feeding~~ dispensing system according to any one of claims 1-12 further comprising:

a processing unit communicatively connected to the flow controller to control the flow of feed and to document an amount of feed being fed to the relevant trays.

14. The ~~feeding~~ dispensing system according to any one of claims 4~~-10~~ and 6-10 further comprising:

a processing unit communicatively connected to the stirrer to adjust a speed of the stirrer.

15. The ~~feeding~~ dispensing system according to claim 1 wherein the flow controller has an angled path ~~such that~~adapted to guide ~~the~~ solid feeds ~~are guided~~ to the fluid path in the dispensing arm such that only one solid feed is inserted into the fluid path and the dispensing unit further comprises a pushing bar and a dispensing actuator configured to actuate the pushing bar to push the solid feed inside the fluid path towards the dispensing nozzle until the feed falls out from the dispensing nozzle and into the tray.

~~16. A dispensing system for dispensing items such as feed, larvae, pupae, eggs and water to a plurality of trays in a rack comprising:~~

~~a base unit adapted to be movable and having an upright; and~~

~~a plurality of the dispensing units, each dispensing unit having a dispensing arm with an inlet, dispensing nozzles and a fluid path defined within the dispensing arm and running from the inlet to the dispensing nozzles and a flow controller provided to regulate a flow of feed flowing through the fluid path, wherein each dispensing unit is movably mounted to the upright to allow adjustment of the dispensing arm to accommodate the different spacing between the trays on the rack to allow simultaneous dispensing of items into the trays.~~

16. The dispensing system of any one of claims 5 to 10, wherein the plurality of dispensing units is adapted to dispense the feed to the plurality of trays simultaneously.

17. Use of the dispensing system of any one of claim 1 to 16 in dispensing food, larvae, pupae, eggs or water to the plurality of trays.

18. Use of the dispensing system of any one of the preceding claims in rearing insects.

19. The use of claim 18, wherein the insects comprise mosquitoes.