What is claimed is:

1. A method to breed insects with a minimum of human intervention in an automated insect breeding system comprising the steps of

   providing according to a schedule a food source;

   providing according to a schedule a blood source;

   providing according to a schedule a larvae / pupae source and

   providing according to a schedule a breeding spot.

2. A method to operate an ovitrap to collect as many as possible of the deposited eggs without human intervention comprising the steps of

   maintaining a constant first water level for a period of time inside the ovitrap;

   rising the water level temporary to a second water level so that eggs deposited at the walls of said ovitrap start floating in the water contained in said ovitrap and start flowing out of said ovitrap via an provided outflow located at a height so that water at said first water level will now flow out via said outflow but water at said second water level will flow out via said outflow.

3. A method to distribute insects with a known density over a wide area comprising the steps of

   store the insects individually in chambers;

   connect the chambers to a chain;

   close all chambers of a chain with a removable cover;

   move the chain to the release area and

   open said chambers of said chain at a rate proportional to the moving speed of said chain over said release area.

4. A method to separate insects by sex comprising the steps of

   individualising the insects;

   determine the spectral repsonse of an individual insect at three typical wavelengths and

   moving said insect into a container assigned to a specific spectral response of said insect.

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5. A method to supply fresh insects to an automated insect breeding system comprising the steps of

supplying water to a breeding spot at a constant water level;

supplying a number of fresh larvae / pupae to a breeding spot;

keeping the water stagnant for a period of time long enough to allow the supplied larvae / pupae to develop into adult insects and

forcing all emerging insects away from the breeding spot by channeling air over the breeding spot so that the speed of said air is high enough that insects from outside are not able to enter the breeding spot but low enough not to damage the newly emerged insects.

6. An apparatus to breed insects with a minimum of human intervention consisting of

a container able to hold the insects while air and light can pass through the walls of said container as required by said insects;

a food source inside said container giving said insects acces to the food according to a schedule;

a blood source inside said container giving said insects access to the food according to a schedule;

a larvae / pupae source allowing new insects to emerge according to a schedule and

a breeding spot allowing insects to deposit their eggs according a schedule;

7. An apparatus to allow water breeding-insects to deposit their eggs consisting of

a container with side walls;

an opening on its top so that insects can reach the water stored in said container;

an outflow located at a height that water at a first water level will not flow out via said outflow and water at a second water level will flow out via said outflow.

8. An apparatus to distribute insects with a known density over a wide area consisting of

a chain of chambers;

each said chamber sized so that an insect fits into said chamber;

a cover which closes all said chambers contained in said chain.

9. An apparatus to separate insects depending on their sex consisting of

an individualisation unit which delivers individual insects;

a light source with a known spectrum;

a light sensor determining the spectral response of said insects at three different wavelengths;

at least one container for each sex plus extra containers for unknown objects and

a transport apparatus to move the insect from said individualisation unit, via a place where said insect is exposed to said light source and said light sensor determines said spectral response of said insect to said container specificly assigned to the result of the determination of said spectral response.

10. An apparatus to supply fresh insects to an automated insect breeding system consisting of

a larvae / pupae supply unit;

a breeding spot;

a escape channel for the emerged insects and

a fan which forces air into the escape channel from one side.