

The invention refers to agriculture, namely to a process for producing phytophage insect eggs and to an installation for realization thereof.

The process for producing phytophage insect eggs includes preparation of the nutrient medium and of eggs for medium infestation, growing of phytophage insects from egg to egg, pneumatic collection of newly-deposited eggs by their local blowing with an ascending air flow, maintenance of optimum species specific hydrothermal conditions and insect development control. At the same time, all stages of development of insects from egg to egg are carried out in a holding cage, consisting of a reservoir (1) with screen bottom (2), at which it is placed a layer of nutrient medium (4), and a grid cover (3), the dimensions of the cells of which are smaller than the dimensions of butterflies, but greater than the dimensions of the eggs.

The installation for producing phytophage insect eggs includes a holding cage, a pneumatic egg collecting device, a screw mechanism and an egg local blowing appliance. The holding cage consists of a reservoir (1) with screen bottom (2), at which it is placed a layer of nutrient medium (4), and a grid cover (3), the dimensions of the cells of which are smaller than the dimensions of butterflies, but greater than the dimensions of the eggs; the pneumatic egg collecting device consists of an aerodynamic tube (7), a separator (20) equipped with an egg collecting vessel (12) and connected by means of an air conduit, provided with an air velocity regulator (9), with an exhaust fan (11) and a visor (19), installed above the aerodynamic tube (7); the screw mechanism (8) is placed under the holding cage for its coupling with the aerodynamic tube (7), joining the holding cage with the separator (20), and the egg local blowing appliance is placed under the holding cage with the possibility of moving over the outer surface of its bottom (2) and includes a nozzle (13), a compressor (14) with receiver (15), an air supply tube (16) and an aspirated air pressure regulator (17).

Claims: 2

Fig.: 2

