

The invention refers to agriculture, namely to a mechanized line for insect egg production.

The mechanized line is consisted of a section for butterfly growing in alveolate boxes, a section for butterfly and egg collection, a carbon dioxide supply unit, a pneumatic conveyer. Summary of the invention consists in that the line also contains a section for dosing-distribution of the eggs and the nutrient medium and a ventilation unit. The dosing-distribution section consists of bunkers, meters, distributing pipe-lines, a distributing chamber, derivation grooves, the egg distributing pipe-line being placed coaxial with the nutrient medium distributing pipe-line. The pneumatic conveyer contains ejectors fixed onto the pipe-line at different levels, oriented towards the alveolate boxes and pneumatic heads, respectively installed onto the reticular bottom. The butterfly growing section consists of a cylindrical body with conic bottom, installed vertically, inside the body there are installed alveolate boxes with reticular bottom and outside it an electric motor, a screw, a nut, a plate and switches, with that the pneumatic conveyer with ejectors and pneumatic heads is fixed to the plate. In the lower part of the conic bottom, with the slope angle more than  $45^\circ$ , it is installed an insect nursery. The ventilation unit consists of a fan and an aerodynamic pipe. The butterfly and egg collection section consists of an egg collecting device and a receiving glass. The height of the aerodynamic pipe is at least of 0,6 m, the slope angle of its walls about the vertical axis is of  $6\dots 8^\circ$ , and the slope angle of the egg supply pipe-line and the egg collector walls is more than  $60^\circ$ .

The result of the invention consists in providing for a higher mechanization level of the insect egg production.

Claims: 1

Fig.: 3