

The invention refers to agriculture, in particular to a process for cultivation of mushrooms and plants and to the installation for realization thereof.

The process provides for the cultivation of mushrooms and plants in adjacent chambers with recirculation of gaseous atmosphere between such chambers. Intensity of the gaseous atmosphere recirculation depends directly on the ratio of air temperatures in the chambers for cultivation of mushrooms (t_1) and plants (t_2).

For realization of the process it is proposed a complex for combined production of mushrooms and plants in greenhouse. The complex includes chambers for cultivation of mushrooms with massive partition-walls possessing increased thermal capacity. And the chamber for cultivation of plants has a wall common with the chamber for cultivation of mushrooms and the other partition-surfaces being of transparent materials. The system for recirculation of gaseous atmosphere is additionally provided with a microcontroller and means for programmed direction and air change intensity control between the chambers for cultivation of mushrooms and plants within the limits from 0,3 to 5 times about the optimal value of the air change.