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The invention relates to bioenergy, namely to a process for producing biogas.

The process, according to the invention, comprises the anaerobic fermentation in mesophilic conditions of biomass comprising an organic substrate with addition of cattle manure, with the production of biogas, as organic substrate being used distiller's grain resulted from distillation of ethyl alcohol. In the distiller's grain is introduced plant raw material containing sclareol or a processing product thereof containing sclareol, in a quantity providing 5...10 mg/dm³ pure sclareol, the biomass is subjected to cavitation hydrodynamic homogenization, and fermentation is carried out at a temperature of 33±2°C for 2...4 days.

The result consists in increasing the efficiency of anaerobic fermentation, while increasing the quantity of methane in the produced biogas, as well as in accelerating the fermentation process.

Claims: 5

Fig.: 1