

# THERMAL TECHNOLOGY OF INSTANT RAILS FOR HOT MEAL FOR MILITARY SERVICEMEN



**Purpose:** Food servicemen and citizens in extreme conditions. Recommended for both individual and public catering.

**Advantages:** Rations, pre-prepared (with respect to all taste qualities) powdery compact mixtures with a long shelf life, is a functional product with antioxidant, folate-containing, phytoestrogenic and prebiotic properties, in which 93-95% functional ingredients are preserved. The cooking time of such products is 3-5 minutes, which is especially important in extreme situations. Recommended for both individual and public catering. When restoring (adding boiling water to a dry mixture), the volume increases by 7-8 times. The total weight of the daily ration: 477-650 g calorie content: 3630 - 4200 kcal. Breakfast, lunch, afternoon tea, dinner. 45 food options.



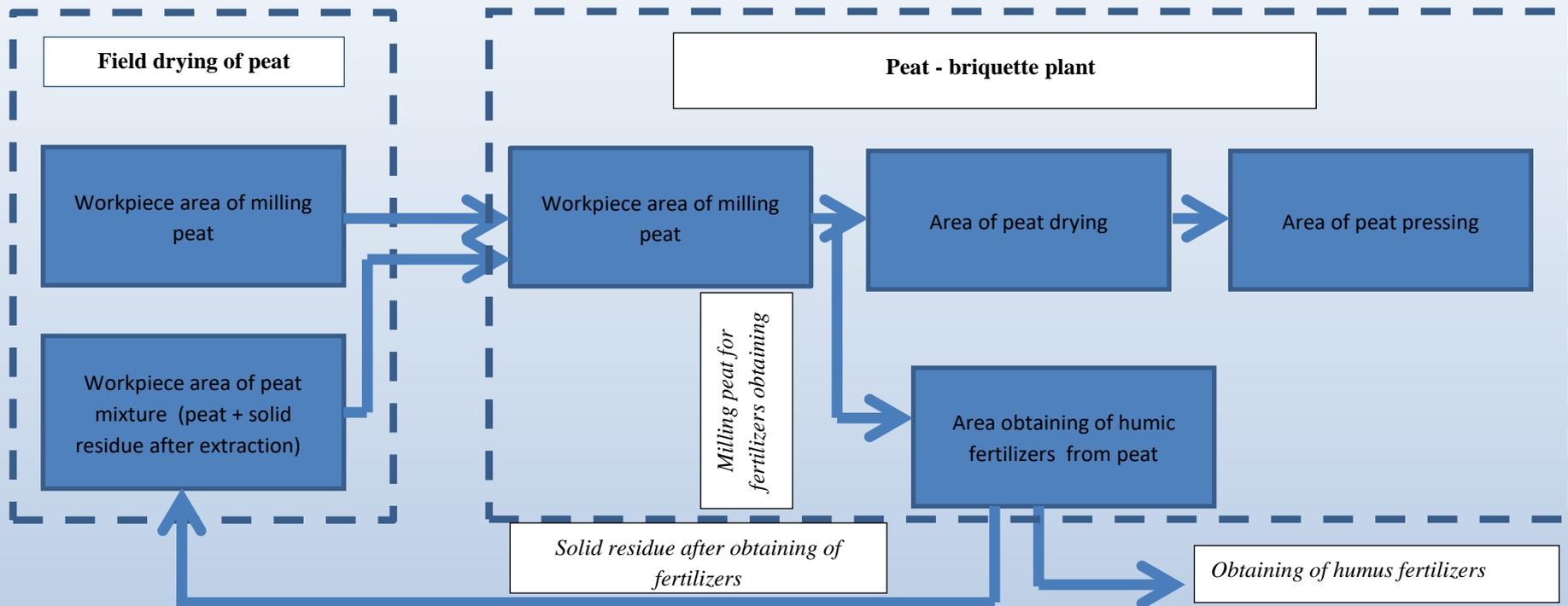
**Awards:** Honorary diploma of the winner of the competition of international scientific and technological innovations in Weihai, People's Republic of China, 2018.

## Patents of Ukraine :

№81075 ; №81076; № 81386; №92843;  
№97053; №106464; №116737.

**Implemented:** LLC "Food of the Future", Kyiv, Ukraine.

# Technology of complex processing of peat for fuel and fertilizers



**Purpose :** Integration of technology for extraction of humic substances from peat in the production cycle of a peat briquette plant for the production of composite biofuels. The use of humic substances in the agricultural sector provides an increase in yield by 25-40%, three times accelerates the recovery of the humus layer of soils.

**Advantage :** The amount of humic substances is 1.4 times higher than existing analogues. The developed technology will allow to remove as much as possible humic and humic substances from peat with a significant reduction in temperature and extraction time with the subsequent use of the liquid fraction as fertilizer, and the solid residue - after extraction for the production of cheap fuel. Compared to other types of composite biofuels, the resulting composite biofuel contains significantly less sulfur and ash. It emits almost no toxic substances during burning and, accordingly, does not pollute the environment.

**Implemented :** License sold in Socialist Republic of Vietnam and implemented in Ukraine.

**Patents :** Patent for the invention № 117651 from 27.08.2018, Patent for the invention № 116663 from 25.04.2018.



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