

**ASPECTS OF AGRICULTURAL GOODS PRODUCTION
DEVELOPMENT AND INTERMEDIATE FOODS OF SACCHARINE
PRODUCTION AS RAW MATERIAL FOR PROCESSING INTO BIOFUEL**

Saccharine industry of Ukraine tested serious destruction during the last decades. Reduction of internal sugar consumption, loss of foreign markets, decline in the production, resulted in a volume, that the far of enterprises of saccharine industry is underloaded, work to capacity not and that is why transformed in to the loss. If before this was profitable industry, then lately she is not in the best position in connection with complication of economic situation at the sugar market, and also by disparity between the substantial increase of prime price of beets and sugar and market prices on the prepared products. At the same time, there is a serious problem of increasing exhaustion of natural energy sources in the world, and that is why the permanent search of alternative types of fuel goes.

Ukraine belongs to the energy scarce countries, through the mastering of renewable energy sources it is possible to examine as an important factor of increase of level of her power safety. One of such fuel types t is ethanol fuel, that is got from an agricultural annually renewable raw material, that there can be not only a sugar beet but also wastes of sugar-beet production - molasses and intermediate foods of sweet root crops processing, : diffusive juice, saccharine syrup, green treacle. Having regard to the development prospects of raw materials source for ethanol fuel making, there are pre-conditions for development of this industry and in our country.

Name an ethanol that is mine-out from biomass and is used as a fuel an ethanol fuel. In composition of a fuel an ethanol fuel allows to improve operating descriptions of blenderized petrol, here the concentration of harmful components diminishes in exhaust-gasses that are extraordinarily important for metropolises, and

also incineration of ethanol that is got from biomass does not kick into the greenhouse effect.

To the power attractive plants of the European zone for the production of ethanol fuel scientists take one-year plants with high maintenance of sugars and starch: saccharine beets, grain-growing, corn, potato. Economic efficiency of these cultures, as raw material for the production of ethanol fuel, depends on their productivity and content of sugar or starch. Depending on these indexes, every country determines the culture for the production of a biofuel.

Now many sugar-refineries are shown out of productive process. And that is why conversion of enterprises of industry, that have a powerful enough technical base from redoing of sugar beet on the production of sugar and ethanol fuel, is expedient. Such chart is widely applied in world practice. Depending on the harvest of sugar beet it is possible easily to regulate the production of that or other product taking into account demand at the market, not to assume the overproduce of one of foods, but thus, and overstocking of market and sale of foods below prime prices.

For today, in the period of sugar-refinery action, there are a few variants of charts of sugar beets processing into sugar and ethanol fuel. After some of them it is possible to get a biofuel from intermediate foods of saccharine production (diffusive juice and saccharine syrup). The results of calculations testify that regardless of variant of chart, the ethanol fuel setting building, as a constituent of sugar-refinery, increases the volume of his income on a 17-33 million hrn. for a year.

For realization of technological process it is necessary to work out normatively-technical documentation from the account of raw material, technology of sugar beets processing and the parameter norms setting of ethanol fuel product yield.

Adjusting of compatible ethanol fuel and white sugar production from a sugar beet will allow more effectively to use present powers of sugar-refineries; to induce to expansion of sugar beet growing areas; to decrease power dependence of Ukraine on the imported oil products; to regulate production volumes each of foods depending on a size the taken crop and from the necessity of market; to save workplaces and social infrastructure of agriculture on sugar beet growing and processing.

A alternative fuel types receipt from sugar beets and side products of saccharine production in Ukraine is on the initial stage of development and needs realization of considerable investments for introduction. At the choice of investing directions in this sphere it follows to be oriented first of all on providing of optimal combination of country's food and power problems decision. In a prospect a production and export of sugar beet biofuel can become profitable industry attractive both for home and for foreign investors. And it, will give an opportunity to decrease power dependence of Ukraine, work out the problems of agro-industrial complex, in particular, provide the revival of sugar beet production and improvement of social position in a village, to carry out passing of industry to the innovative model.

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