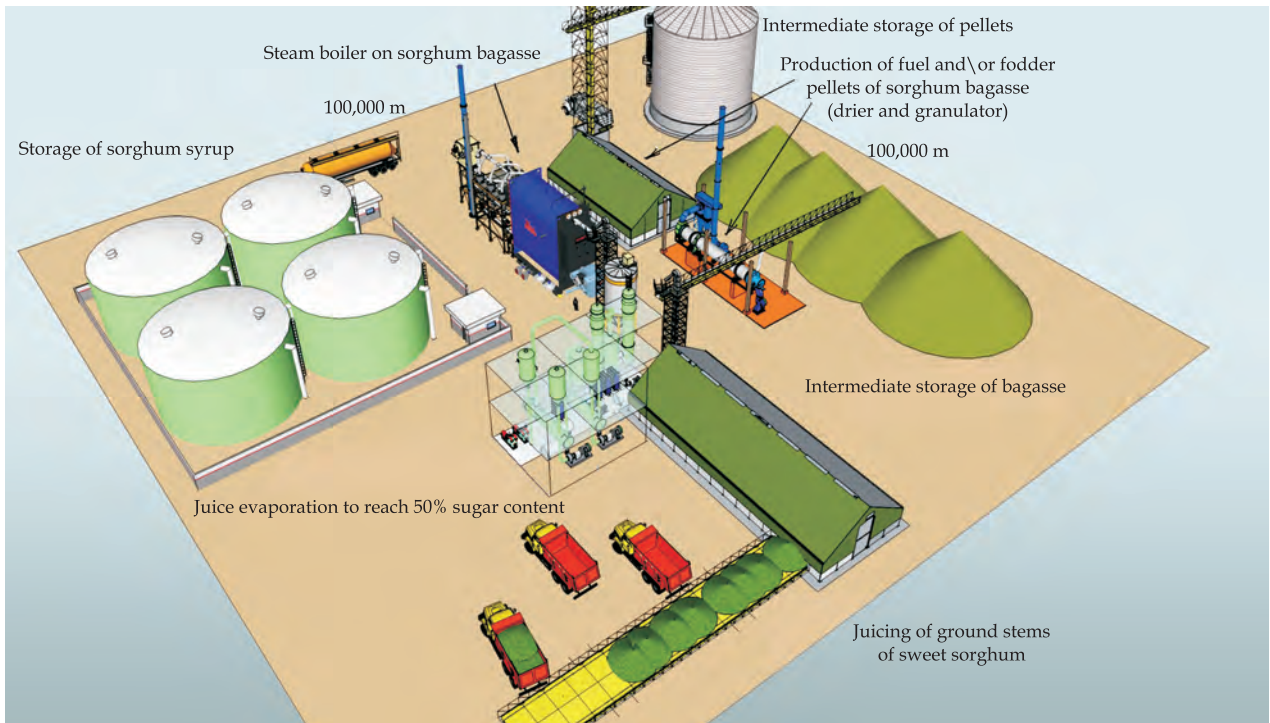


TECHNOLOGY FOR BIOETHANOL PRODUCTION FROM SWEET SORGHUM



A pilot production of bioethanol from sweet sorghum with a capacity of 50 tons daily

Areas of Application

The technology is proposed for introducing a non-waste processing of sweet sorghum into bioethanol

Advantages

This complex processing of sweet sorghum into bioethanol enables reducing energy dependence on fossil fuels due to their replacement by biofuel. This leads to reducing emissions of carbon dioxide into atmosphere

IPR Protection

IPR2

Specification

The technology enables to obtain a high-quality bioethanol with the following physicochemical characteristics.

Density, kg/m ³	787 – 792
Volume fraction of water, %	≤0.2
Volume fraction of oxygen-containing organic compounds	≥98.3
Sulfur concentration, mg/kg	≤10
Phosphorus concentration, mg/dm ³	≤0.5
Inorganic chlorides concentration, mg/dm ³	≤20

Stage of Development. Suggestions for Commercialization

IRL5, TRL5
Pilot production of bioethanol from sweet sorghum with a capacity of 50 tons daily is proposed

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