Springer Proceedings in Energy

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Renewable Energy Sources: Engineering, Technology, Innovation

ICORES 2018

Springer

Prospects of Use of Nutrient Remains of Corn Plants on Biofuels and Production Technology of Pellets

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Abstract The paper presents a preliminary analysis of the possibility of using residues from the production of maize grain for energy purposes. The physical characteristics of the analyzed raw materials were made together with the production of pellets. The quality assessment of obtained pellets and analysis of ash fusibility were carried out. The obtained results allowed to show that the use of residues from maize production for the production of solid biofuels is highly justified both for agrotechnical reasons and due to the parameters of the obtained fuels. The growing interest of agricultural producers in this type of crops in Ukraine means that the potential of these raw materials should be taken into account in balancing energy resources.

Keywords Corn · Biomass · Biofuels · Pellets

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M. Wróbel et al. (eds.), *Renewable Energy Sources: Engineering, Technology, Innovation*, Springer Proceedings in Energy,
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