

BIOGÁZ ÉS BIOETANOL ELŐÁLLÍTÁSA TAKARMÁNYCIROKBÓL

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ABSTRACT - Biogas and Bioethanol Production from Forage Sorghum Biomass

Sorghum bicolor (L.) Moench are generally characterized by outstanding drought tolerance and their production for feeding purposes has had a several decades history in Hungary. Their bioenergy yield potential has also been tested for years, and their use as bioenergy source is increasing in Europe. The sweet sorghum type, silage sorghum hybrids that can be grown in Hungary in a reliable way were tested in our experiments as biomass sources of bioethanol and biogas production. The results demonstrated that the domestic silage sorghum assortment may provide valuable and sufficient biomass volume for the bioenergy industry.

Kulcsszavak: Bioethanol, Biogáz, Cukorcirok, Bioenergia, Biomassza