

Phytotechnology with Miscanthus embedded in post-mining lands

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Souhrn

CORNET MiscanValue project implies the application of the energy crop *Miscanthusxgiganteus* for the revitalization of slightly contaminated and marginal lands. M.xg has been utilized at the post-mining land in Chomutov, the Czech Republic amended by biochar, sewage sludge, digestal, and hemicellulosic waste. The multiyear experiment showed that biochar in dose 10% followed by digestal positively impact to bioparameters, harvested biomass, and enrichment of soil microbial communities. The Best Available Practice of *Miscanthus* utilization was created and presented to end-users.