



Agricultural Journals

Research in

**AGRICULTURAL
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Res. Agr. Eng.

**Junga P., Krčálová E.,
Somerlíková K.,
Mareček J.:**

Experimental testing of some types of biologically degradable materials for processing in the SBM mechanical plant for hydrothermal treatment

Res. Agr. Eng., 58 (2012): 1-8

The SBM (stabiliser of biomass) mechanical plant model is designed for the hydrothermal treatment of biologically degradable materials with using the principle of thermal hydrolysis. The primary task of this equipment is to subject biologically degradable materials to hydrothermal treatment and to recover the materials for a further use or to eliminate them. These entities could use the mechanical plant for economic and environment-friendly methods of handling biologically degradable wastes or materials. The objective of the experimer with various types of biologically degradable materials was to establish the

level for the transformation of input characteristics of tested materials after conversion in the SBM mechanical plant and to assess the suitability of the processing by using this method with respect to the use of the final product. Materials tested in the first experiments