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Res. Agr. Eng.

**Brožek M., Nováková
A., Kolářová M.:**

Quality evaluation of

briquettes made from wood waste

Res. Agr. Eng., 58 (2012): 30-35

At logging and at the subsequent wood and wood semi-products treatment the fine grained loose waste arises, e.g. wood dust, saw dust, shavings, chips, bark etc. One of possibilities of its meaningful utilization is the briquetting technology, products of which are briquettes determined for energetic utilization (combustion). In the paper the experimental results are published. The briquettes quality evaluation was their aim. For the briquetting tests bark (pine), shavings (about 90% spruce + 10% pine), sawdust (spruce), birch chips and poplar chips were used. The basic physical-mechanical properties were the evaluation criteria. Following properties were determined: gross calorific value, total moisture content, density, rupture force, length, diameter, density and mechanical durability.

Keywords:

briquetting; density; rupture force; mechanical durability

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