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Post-drying of energy sorrel in a grate stock

Energy sorrel is a crop with high-yield potential and belongs among the most promising energy crop for the Czech Republic. The suitable processing technology is harvest by the harvesting cutter with subsequent short-time storage and post-drying of chopped material in the large-capacity hayloft. For chopped sorrel were found-out hydraulic air losses during its passing through the stored layer and they were compared with values for stored forage. Two methods of drying ventilators controlling in the large-capacity hayloft were compared with the regime of time switching within chopped sorrel drying. Electric energy consumption for ventilators drive in different regimes depends on water content in the material. Method of ventilators or time switching controlling has no effect on drying process result, thus even on water content reduction in the dried material. Under operational conditions the possibility of the chopped energy sorrel in large-capacity hayloft was verified.

Keywords:

pressure drops; large-capacity hayloft;
chopped energetic straw; energy sorrel

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