## **Experimental Studies of Conditions for Preparation of Environmentally Friendly Feed for Cattle**

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**Keywords:** zootechnical requirements; grinding; design and operational parameters of the device; feed preparation; roots; laboratory testing of ecological production technology; production line; cutting; environmentally friendly preparation of feed.

Abstract: Based on the analysis of the environmental efficiency of root crop processing enterprises, a new design and technological scheme for their grinding has been proposed; it has shown its effectiveness in the process of experimental research. The influence of the design and operating parameters of grinders on productivity, energy intensity and quality of the output product is measured. The improvement of the environmental conditions of production by changing the technology of the cutting process is justified.