ABSTRACT


The aim of this study was the same manufacturing conditions, two different mobile-based feeding technology comparison, which based chronometer comparison and after analysis of these results. The work of drafting were used two feed mixers: one was trailed and the other one self-moving. Both feed mixer worked under the same conditions and the same rations.

The necessary data were collected from farms, where were two different feed mixer fed to dairy cows. The data were obtained for the observation and measurement. The important data were time and distance. Time was measured by using a stopwatch and the distances measured by using a tape measure. Data brought together in the tables, from which a variety of performance found in the different feed mixer. Through performance could calculate the time required from various works.

The work of writing appeared, that the most time-consuming job was loading the feed components. However, the less time spent cleaning the feed gear. The total time was calculated in the work. Feeding with self-propelled mixer, it took time 1800 hours a year and trailed feed mixer 3200 hours a year. Variable costs were 73 000 euro in self-propelled mixer and 60 000 euro in trailed feed mixer.

The work revealed, that it would be beneficial to use a self-propelled feed mixer, because you needed only one worker and one machine. When you used trailed mixer, you needed two workers and two vehicles. Variable cost was self-propelled mixer higher, but it compensated lower time cost, and you did not need to pay higher salary.