ABSTRACT


The main aim of this work is to analyze the abrasive wear of cultivator work devices. The objects of study are cultivator work devices by different importers. The aim is comparison of wearing of different work devices in real field test. Several measurements are made with the details before field test – hardness, weighing, and geometry. After the field test weighing and geometry measurements were made to analyse abrasive wearing. There were some problems with hardness measurements, as some of them were unreliable. The same applies to the field test, because some of the cultivator work devices were mounted in wrong places. Furthermore, the results were analysed and some graphs were made.

Key words: Cultivator, wear, work device, field test, surface hardness, weight, tillage.