

Development plan of precision agricultural machinery in Mezőfalvai Zrt.

University and department: Hungarian University of Agriculture and Life Sciences

Szent István Campus

Department of Agronomy

Author: Fabio Fernando Zavaleta

Abstract

According to literature and news articles alike the implementation of autonomous machinery is the way forward in agriculture. Due to this trend research was carried out in a Hungarian company to evaluate and suggest updates to their fleet of agricultural machinery. In this thesis I report the machines currently used, their condition and the opinions of the employees regarding their current machinery, strategies and operators. Through structured interviews and observation diary logs it has been found that the machines owned by the company are not technologically relevant and their strategies do not make use of the modern features of their newer models either. A list has been made of redundant machines which could be sold off to finance the new machines suggested along with extensive education for their future operators. Technological advances can be a great way to maximize efficiency in agriculture if a correct development plan is made.