

AGRICULTURE 5.0 AND THE APPROACH TO TOOLS OF USE

Ana Katiussa Wunder¹

ABSTRACT

The evolution of technology towards Agriculture 5.0 means innovations in the agricultural sector, highlighting the effectiveness of drones, sensors, and monitors at the variable rate of application of inputs. Strategic decision-making within the property can be complemented with the information that the instruments generate, thus conveying credibility in decision-making. The constructs used to compose the systemic literature review research were aimed at increasing the use of precision technologies within rural properties and the quality of life provided to employees. A tool that gained prominence in the research was the use of drones, which have several functions, such as monitoring the crop identifying failures or invasive plants or indicating better direction of agricultural implements, these examples highlight the importance of accurate information in assertive decision-making. The literature review highlights the importance of accuracy in agricultural technology, emphasizing that precision in the distribution of inputs reduces the excessive use of chemicals and improves the sustainability of operations. The limitations faced in the research were to focus on three main instruments of technologies used in the field, the approach for future research is the analysis of instruments as a whole.

Keywords: Precision Agriculture, Industry 5.0, Technology.

¹Special Student Fluminense Federal University – Rio de Janeiro