FIELD TESTS OF A JOHN DEERE HARVESTER FOR THE PURPOSE OF PRODUCTION MAPS ACHIEVEMENT

Vlad Nicolae ARSENOAIA[1], Roxana RAȚU[1], Ionut VELEȘCU[1], Ioan ȚENU[1]

e-mail: vnarsenoaia@uaiasi.ro

Abstract

Errors in the generation of production maps can arise from many causes and are practically inevitable. Even though errors will occur, production data can be improved by following a few best practices. The primary methods for improving harvest data should always be the calibration and proper operation of the combine. In cases where this is not possible or where errors occur, the John Deere Operations Center offers data analysis tools through filtering, post-calibration, and improving the visualization of production maps. These practices will result in obtaining accurate data on which agronomic decisions can be made for subsequent farming years. Mapping productions using the John Deere S780i harvester combine and its associated systems provides the farmer with valuable information about their farm, which can be used to make informed and calculated decisions to increase overall productivity, sustainability, and profitability of the agricultural farm.

Key words: production maps, harvest, profitability