

**IMPROVEMENT OF AGRICULTURAL ENTERPRISE MANAGEMENT WITH PRECISION
FARMING ELEMENTS**

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The paper is devoted to the study of the decision-making process in the management of agricultural production with elements of precision farming in order to create conditions for the transition to intelligent management of crop production at the level of an individual farm. The study was using techniques for information flow modeling and documenting the processes of solving management problems. The structure of the software module, which is a part of the decision support system (DSS) with elements of intelligent management, has been developed, and the user requirements for DSS have been defined in the framework of the experiment. Algorithms to solve 22 management problems that were part of the DSS have been developed. The completed developments contribute to the transition of the crop production industry within the framework of an individual farm to a new technological level of «smart agriculture».

Key words: intelligent production, crop management automatisation, precision farming.