THE EFFECT OF THE TENDER FOR PRECISION CULTIVATION ON THE EFFECTIVENESS OF SUNFLOWER CULTIVATION

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By using precision farming systems, we can optimise the use of resources, reducing waste and wastage. The basis for well-functioning precision agriculture is the immediate and continuous recording of accurate data at the point of cultivation, and then processing and analysing the data. This requires a change of approach not only by developers and machine manufacturers, but also by farmers, to turn data into decision-support information that can be quickly made available without external assistance. In our work, we aim at an economic analysis of the production of winter oilseed rape using precision technology. The production of rapeseed is studied in an agricultural enterprise whose crop production sectors are considered to be at the forefront of the application of precision technologies at national level. The principle that the more intensive a cropping system, the more advantages there are in using site-specific technology, is fully realised in the enterprise under study. In our work we present the elements of precision technology applied in rapeseed production. On this basis, we calculate the costs of cultivation and the income that can be generated from rapeseed production. We determine the sectoral result with and without subsidies, which can provide information on the actual income-generating capacity.