

## **Features of the elements of technology for growing essential oil crops in the KBR**

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**Annotation.** In the training and production complex of the Federal State Budgetary Educational Institution of Higher Education of the Kabardino-Balkar State Agrarian University in 2019-2021 a field experiment was laid to study the adaptive potential of essential oil crops, using the example of oregano to the natural and climatic conditions of the Kabardino-Balkarian Republic. The aim of the research was a comprehensive study of the responsiveness of the essential oil culture of oregano to the use of growth stimulants. The effect of root formation stimulants Biospectr and Kornevin SP on the yield of seedlings of oregano was studied, data were obtained on the effect of the method of obtaining planting material on the productivity of oregano (*Origanum vulgare*) in terms of area unit. Analysis of the results of complex studies of economically valuable traits of oregano samples showed that the conditions of the foothills of the KBR are favorable for growing this essential oil crop. Based on the data obtained, an agro-economic assessment of the effectiveness of oregano cultivation in the conditions of the foothill zone of the republic was made. On the experimental site, on the plantation of oregano, obtained from seedlings by cuttings, it is possible to consistently obtain more than 220 kg of green mass of oregano and the collection of essential oil, about 47 kg. The calculation of the economic efficiency of growing oregano showed that agricultural producers of the republic of all forms of ownership, will annually get more than 300 thousand rubles. at minimal cost. Evaluation of the efficiency of growing oregano for green mass showed that both methods are economically viable, but cuttings are the most effective method, where the profitability ratio was 2.26%, and the net profit per 1 ha amounted to 305 thousand rubles.

**Key words:** oregano, growth regulators, planting material, seedling yield, productivity, economic efficiency

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