Original article

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Evaluation of the Effectiveness of a new Organomineral Fertilizer in the Cultivation of Narrow-Leaved Blueberry (*Vaccinium angustifolium* Ait.)

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Abstract. *The article is devoted to the study of the effectiveness of the use of a new granular organo-mineral fertilizer (OMU) for the cultivation of narrow-leaved blueberries (Vaccinium angustifolium Ait.). The object of the study was narrow-leaved blueberry plants obtained by clonal micropropagation. The composition of organomineral fertilizer developed by us differs from those available on the market by a more balanced ratio of macro- and microelements (NPK 8:8:8, Fe – 0.5 %, Zn – 0.2 %, Cu – 0.4 %), the presence of biohumate and spore forms of bacteria Bacillus subtillis H-13 and B. mucilaginosus, Azotobakter chroococcum (as part of preparations Bisolbiphite, Phosphatovite and Azotovite). The use of a new granular organomineral fertilizer made it possible to obtain the highest yield of blueberry fruits 190.2 g/bush, which is significantly higher compared to the options with mineral fertilizers by 26.7–30.0 g/bush. The collection of dry matter and sugar increased by 3,14–4.36 g/bush and 4.63–4.85 g/bush, respectively, and amounted to. The content of vitamin C in berries has not changed much. The use of a new granular organomineral fertilizer in the technology of growing narrow-leaved blueberries contributes to the optimal provision of plants with the necessary macro- and microelements throughout the growing season and has a positive effect on its productivit.*

Keywords: *organomineral fertilizer, microflora, agrochemical composition of the soil, blueberry yield, collection of dry matter and sugar.*

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