

## EFFICIENCY OF SOYBEAN LEAF FERTILIZING PREPARATIONS ON DIFFERENT BACKGROUNDS OF MINERAL FEEDING

M.D. ENEEV

Institute of Agriculture –  
branch of FSBSE “Federal scientific center  
«Kabardino-Balkarian Scientific Center of the Russian Academy of Sciences»  
360004, KBR, Nalchik, 224, Kirov str.  
E-mail: [kbniish2007@yandex.ru](mailto:kbniish2007@yandex.ru)

*The data of field experiments in 2015-2017 confirming the effectiveness of the application of mineral fertilizers against the background of extra feeding of soybeans with the complex preparation Plantofol and the biological plant growth stimulator MS Extra with their separate and joint use are presented.*

*The influence of mineral fertilizer backgrounds on the morphological changes of plants and the formation of the structure of the elements of the soybean yield with the manifestation of an increase in plant height by 8-9 cm<sup>2</sup> is regulated; leaf area by 7.7-15.3%; productive branching by 11.5-19.2%; the number of beans by 17.6%; seed yield by 4.4-5.8 centners / ha with a profitability increase of 81-152%.*

*Foliar dressing of soybean crops with Plantofol and MS Extra against the background of mineral fertilizers increase the yield by 1.3-3.2 c / ha. The level of profitability of agricultural practices is 174-323%, which confirms the high efficiency of foliar fertilization of soybean crops cultivated on different backgrounds of mineral fertilizers under irrigation conditions.*

**Keywords:** soybeans, fertilizers, foliar feeding, irrigation, yield, profitability.

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**Information about author:**

**Eneev Makhty Dzharakhmatovich**, Candidate of Agricultural Sciences, Senior researcher, Institute of Agriculture - a branch of the Kabardino-Balkarian Scientific Center of the Russian Academy of Sciences.

360004, KBR, Nalchik, 224, Kirov str.

E-mail: kbniish2007@yandex.ru