

INVESTIGATION OF SOYBEAN PRODUCTION WITH MICROBIOLOGICAL PREPARATION ON THE SOIL, IN WEST HUNGARIAN REGION

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Abstract. *More and more research is conducted, how to reduce nitrogen, phosphorus and potassium fertilizer use in crop production. Application of soil replacement products are becoming too often in Hungary. In the experiment, we get a nearer view of a neutral microbial soil preparation in soybean production and the development of nitrogen-fixing nodule, the content of chlorophyll and after harvest the plants yield and contents. The soil suspension composition may exert both positive and negative effects, which depends on what has been combined with bacterial strains of soybean seed. We searched for the operating trial to answer to how changes in the treated soil the soybean production relative to the control.*

Keywords: soybean, microbiological preparation, nitrogen-fixing, nodule

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