

## THE EFFECT OF USING ZEOLITE ON SOME CHARACTERISTICS OF SANDY SOIL AND ON THE AMOUNT OF THE TEST PLANT BIOMASS

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**Abstract.** *Different doses (5; 10, 15; 20 t ha<sup>-1</sup>) of zeolite were studied on humous sand soil, on some soil physical, chemical, microbial characteristics and on the biomass of a test plant ((Lolium perenne L.). The zeolite can have a positive impact on properties of weak soil fertility and can exert advantageous influence with more complex changes of soil characteristics. In terms of efficiency, to use the 15 and 20 t ha<sup>-1</sup> doses can be recommended. The use of zeolite as soil natural amendment can safely inserted into a sustainable land use system.*

**Keywords:** zeolite, humous sand, soil characteristics, plant biomass

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