



## Some aspects regarding the usage of the program DRENVSUBIR to the projection of the drainage on the heavy soils with a high content of clay

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The objective of this paper/work is checking the results obtained at the dimension of horizontal drains on the heavy soils with a high content of clay, using different methods of determining the distance between the drains, by comparing the results of the research done in Diosig drainage Field, Bihor. In this experimental field, on a faeoziom gleic hiponatric (lacoviste alcalizata) have been noticed in the period 1987-1994, three types of drainage of riflat PVC, 6,5 cm, with filtrated prism of ballast with the height of 20 cm, having distance between the drains of 20,35 and 50 m. For the confirmation of the results of the research in the field, the distance between the drain wires have been calculated for the conditions given by the type of the soil with the method, Hooghoudt, Ernst and using the program DrenVSubIR. The closest results to the ones obtained in the field are obtained using the calculating module of the distance between the drains, with the relation Ernst-David of the program DrenVSubIR.