



## Pretabilitatea rendzinei și a eutricambosolului din județul mehedinți pentru diferite culturi agricole

COPCEA DUMA Anisoara, STEFAN V., OBOROCEA Camelia - USAMVB Timisoara

The study, carried shows the suitability of some soils for different use categories and crops in the District of Mehedinți. Knowing in detail yielding and technological features, favouring and restricting factors of agricultural production on each land portion both from the point of view of present response and of real possibilities of turning them into better ones can be, for the decision-maker a precious tool in achieving the most suited practical measures of producing plant biomass in a dynamics well correlated with environmental ecological requirements.

This is why, in this paper, after presenting in detail the physical and geographical conditions (relief, lithology, hydrology, climate, vegetation, anthropic influences) we have acknowledged the above-mentioned components allowing to explain both phenomena in the soil and the way they can be influenced by man, that could become a wise partner of the nature. To make the assessment calculus we have chosen from the multitude of environmental conditions that characterise each land unit within the District of Mehedinți only those considered most important, easier and more accurate to measure, that can usually be found in soil study works, called assessment indices. Increasing yields and agricultural lands fertility are directly determined by detailed knowledge of soil solidification process, evolution and supply with main nutrients. The present work wants to establish the best soils for cultures and plantations which have been taken in consideration. Previous researches concern numerous analytic data for a period of over 40 years an interval in which numerous changes have occurred both in soil features ad in research methodology, mapping and improvement.