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# **Agric. Econ. – Czech**

**J. VILČEK, O. HRONEC**

## **Agro-economic potentials of the East Slovak Lowland agricultural soils**

Agric. Econ. – Czech, 50 (2004): 83-87

The high rate of the Stagnosols and Gleysols in the East Slovak Lowland substantially influences the potential utilisation of the existing agro-ecosystems. On the basis of the pedologic and informative system of Slovak soils investigation, we determined the possible structural, productive and

economic parameters of the soil representatives in the East Slovak Lowland, its districts and soil-ecological regions with the help of geographic informative systems. 46.9% of the soils are not profitable for the plant growing without subsidies. At the average expense per one hectare of agricultural soil 10 227 SKK, it is possible to expect the yields of approximately 10 295 SKK/ha, which means profit without subsidies 68 SKK/ha (profitability rate 0.67%). The best natural and economic results in plant production can be expected in the Michalovce and Trebišov districts and the soil-ecological regions of Ondavská rovina (Ondava flatland), Laborecká rovina (Laborec flatland) and Kapušanské pláňavy (Kapušany welds).

**Keywords:**

East Slovak Lowland, productive ability of soils, economic parameters of soils, profitableness of plant production

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# Sciences

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