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**Res. Agr. Eng**

**Mimra M., Kroul  
Altmann V., Kav  
Prošek V.:**

# relationship between the electrical conductivity values and the values of ecological units

Res. Agr. Eng., 54 (2008): 1

This article describes the results of the regression analysis of correlation between electrical conductivity and BPEJ (soil-ecological units). The measurements were made in 2006 at the Svatý Jan Agribusiness Land Farm in Ledeč nad Sázavou, established by the Czech University of Life Sciences in Prague. The electrical conductivity (EC) was measured by the contact method using a device with six electrodes. The soil EC values measured were compared with the values obtained from BPEJ maps. The purpose was to verify if any relationship exists between the soil EC and BPEJ. The results achieved show that the same dependency exists between the main soil unit of the BPEJ and the soil EC. The results achieved

used in the precise agriculture  
improve the decision process

**Keywords:**

soil EC; soil classification; sc

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