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# **Agric. Econ. – Czech**

**H. Brožová**

## **The analytic hierarchy process for the decision tree with multiple criteria**

Agric. Econ. – Czech, 50 (2004): 77-82

For choosing the best decision in daily agricultural practice, it is very important to formalize the decision process using systems analysis and mathematical methods. Theory of the decision-making under uncertainty or under risk supposes one criterion. In practice, the best solution is chosen under more decision criteria.

Decision problem with  $n$  alternatives,  $n$  states of nature and  $k$  criteria has to be solved in this case. Application of the Analytic Hierarchy Process (AHP) for solution of this problem is described in this paper.

**Keywords:**

decision process, Multiple Criteria Decision Tree, Analytic Hierarchy Process, cardinal and ordinal input data.

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