



# Agricultural Journals

*Research in*

## **AGRICULTURAL ENGINEERING**

home **page** about **us** contact 

**us**

### **Table of Contents**

**IN PRESS**

**RAE 2013**

**RAE 2012**

**RAE 2011**

**RAE 2010**

**RAE 2009**

**RAE 2008**

**RAE 2007**

**RAE 2006**

**RAE 2005**

**RAE 2004**

**RAE 2003**

**RAE Home**

---

**Editorial  
Board**

## For Authors

- **Authors Declaration**
- **Instruction to Authors**
- **Guide for Authors**
- **Copyright Statement**
- **Submission**

## For Reviewers

- **Guide for Reviewers**
- **Reviewers Login**

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## Subscription

# Res. Agr. Eng.

**J. Bajla, Z. Balogh, M.  
Božik**

## Exploitation of the

# Pro/Mechanica in the agricultural research

Res. Agr. Eng., 49 (2003): 161-164

The program system Pro/MechaniCa is a specific software product designed for solving of different kinds of technical problems in general engineering. We were looking for usage not only in the engineering but also in the terramechanical area. We realized a simulation loading of the soil with a rigid circular table and after the loading we calculated deformations and stresses under the table using FEM (Finite Element Method). This article shows a specific exploitation program Pro/Mechanica in an unconventional area as well as in the agricultural area.

## Keywords:

program product; FEM (Finite Element Method); Pro/Mechanica; deformation and stress of soil; modelling

[ [fulltext](#) ]

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