



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](#)

Subscription

Res. Agr. Eng.

Dunca J.:

Mechanical properties of cereal stem

Res. Agr. Eng., 54 (2008): 91-96

The paper deals with the measurement of the resonance frequencies of wheat stems with special respect to different wheat varieties. For the measurement, the dynamical method of the transverse frequency was used. Formulas were derived for the calculation of the bending toughness of stems. The t -test was used for the evaluation of the strength coefficient in bending for the samples of stems of different wheat varieties. The results can be used for the evaluation of the wheat resistance to lodging.