Table of Contents

IN PRESS
AGRICECON 2014
AGRICECON 2013
AGRICECON 2012
AGRICECON 2011
AGRICECON 2010
AGRICECON 2009
AGRICECON 2008
AGRICECON 2007
AGRICECON

2006
AGRICECON 2005
AGRICECON 2004
AGRICECON 2003
AGRICECON 2002
AGRICECON Home

Editorial Board

For Authors

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

For Reviewers

Agric. Econ. – Czech

J. Tvrdoň

Conception of the model of agriculture with production and non-production function

Agric. Econ. – Czech, 49 (2003): 208-212

The article deals with an optimisation of the relation between production and non-production functions of agriculture. In the model, a two-product production process is presupposed, the result of which is agricultural production and a complex of

other effects arising in agriculture. To obtain them, two aggregated inputs – capital and labour – are used. To maximise the summary economic result, the procedure of derivation of the optimal extent of both production processes proceeding as well as non-production effects in minimisation of both inputs in their summary is worked out in the article. In the article, the knowledge of the research gained in framework of solution of the institutional research intention MSM: 411100013 " Efficient integration of the Czech agrarian sector into the frame of the European structures – presumption of sustainable development " is included.

Keywords:

production and non-production function, model of agriculture, production process, agricultural production

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