

Problems of agricultural economics

Quarterly

3
(352)
2017

**Unit of the Committee of Agricultural
Economics and Rural Development
of the Polish Academy of Sciences,
the Institute of Agricultural and Food
Economics – National Research Institute
and the Section of Agricultural Economics
of the Polish Economic Society**

ISSN 2392-3458

*Journal digitalisation, English versions, Scientists in the Programme Board,
Security procedures, Database of foreign reviewers*
financed under the contract 751/P-DUN/2016 from the funds of the Minister of Science
and Higher Education intended for activities to promote science.



**Ministry of Science
and Higher Education**

Republic of Poland

SCIENTIFIC COUNCIL

Vaclav Basek, Marian Bozik, Drago Cvijanović, Borys Frumkin, Masahiko Gemma, Dymitr Grekov, Wojciech Józwiak, Bogdan Klepacki, Stanisław Krasowicz, Sergiy M. Kvasha, Gabriel Popescu, Rumen Popov, Włodzimierz Rembisz, Michał Sznajder, Andrzej Wiatrak, Jerzy Wilkin, Zofia Wyszowska, Etsuo Yoshino

EDITORIAL BOARD

*M. Adamowicz, B. Borkowski, M. Halamska, A. Kowalski (Editor in Chief),
W. Ziętara (Editorial Secretary)*

REVIEWERS

*M. Adamowicz, L. Ambroziak, H. Bachev, S. Bagiński, T. Baležentis, N. Bencheva, I. Boevsky,
B. Borkowski, D. Cvijanović, T. Czekaj, W. Czubak, T. Doucha, M. Drygas, J. Dyczkowska,
J. Franc-Dąbrowska, M. Gruda, K. Gutkowska, M. Halamska, M. Hamulczuk, B. Ivanov,
S. Jarzębowski, J. Jędrzejczyk, W. Józwiak, S. Juszczyk, A. Kowalski, J. Kulawik, G. Kuliešis,
E. Majewski, N. Malamova, D. Nikolov, B. Nosecka, M. Nurmet, A. Parzonko, O. Pavlov,
J. Pawlak, M. Pietrzak, W. Rembisz, H. Runowski, A.M. Sikorska, F. Sinabell, M. Soliwoda,
S. Stańko, P. Sulewski, P. Szajner, K. Świątlik, M. Świthyk, D.M. Voicilaş, A. Wąs, W. Wrzaszcz,
A. Wrzochalska, O. Zhemoyda, M. Zieliński, W. Ziętara*

*Subject Editors: Mieczysław Adamowicz, Bolesław Borkowski,
Maria Halamska, Wojciech Józwiak, Andrzej Kowalski, Wojciech Ziętara*

Managing Editor: Katarzyna Mikulska

Linguistic Editors: Katarzyna Mikulska

Technical Editors: Barbara Pawłowska, Barbara Walkiewicz

Indexation in databases: Kamila Tomaszewska

Website administrator: Krzysztof Kossakowski

The publication is co-financed by the Ministry of Science and Higher Education

Online version is the original one

www.zer.waw.pl

ISSN 2392-3458

Warsaw 2017

Typesetting, page makup: Publishing Department, Institute of Agricultural
and Food Economics – National Research Institute, 20 Świętokrzyska Street, phone +48 (22) 505 46 85
