

ANALYSIS OF DIFFERENT FORMS OF ADVANCE IN DAIRY PRODUCTION

Gaworski Marek

Department of Production Management and Engineering, Warsaw Agricultural University, 02-787 Warsaw, Poland; phone: (+48-22) 59-345-83, fax: (+48-22) 59-345-01; e-mail: gaworski@alpha.sggw.waw.pl

Summary. Dynamic transformation of dairy production in regional and global scale emphasizes many problems and raise many questions. When we assess results of dairy cows improvement expressed by increase with milking capacity per cow, there can be raised research problem: is this improvement associated with development of other factors deciding about effectiveness of dairy production? What are the possible consequences coming from difference in rate of introduced biological, technological and technical advance in dairy farm? To answer for such formulated questions constituting objective of the analysis, the index for assessment of simultaneous development within agri-systems was elaborated. Such approach to analysed development on the base of some characteristic data for Polish and European conditions indicated possible consequences resulting from differences in introduced technical and biological advance expressed by milking capacity and dynamics of improved quality systems in dairy production. The proposed index to analyse and assess some aspects of simultaneous development of mutually connected elements of considered activity in dairy production constitutes one of the examples, how to consider and interpret results of the investigated dairy topics on the background of dairy agri-system.

Key words: automatic milking system, dairy, quality, milking capacity.