Quantitative study of food safety climate in Belgian food processing companies in view of their organizational characteristics

E. De Boeck, L. Jacxsens, A.V. Mortier, P. Vlerick

PII: S0956-7135(17)30624-2
DOI: 10.1016/j.foodcont.2017.12.037
Reference: JFCO 5929

To appear in: Food Control

Received Date: 25 September 2017
Revised Date: 26 December 2017
Accepted Date: 27 December 2017

Please cite this article as: De Boeck E., Jacxsens L., Mortier A.V. & Vlerick P., Quantitative study of food safety climate in Belgian food processing companies in view of their organizational characteristics, Food Control (2018), doi: 10.1016/j.foodcont.2017.12.037.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.
Quantitative study of food safety climate in Belgian food processing companies in view of their organizational characteristics

De Boeck, E.\textsuperscript{a},\textsuperscript{*}, Jacxsens, L.\textsuperscript{a}, Mortier, A.V.\textsuperscript{b}, Vlerick, P.\textsuperscript{b}

\textsuperscript{a} Laboratory of Food Microbiology and Food Preservation, Department of Food Safety and Food Quality, Faculty of Bioscience Engineering, Ghent University, Coupure Links 653, 9000 Ghent, Belgium
\textsuperscript{b} Department of Personnel Management, Work and Organizational Psychology, Faculty of Psychology and Educational Sciences, Ghent University, H. Dunantlaan 2, 9000 Ghent, Belgium

*: corresponding author, +32-(0)9 264 99 02, Elien.Deboeck@ugent.be

ABSTRACT

The impact of organizational characteristics on food safety management systems is already intensively studied. Recently, scientific research goes beyond the managerial and technical aspects of the food safety management system, incorporating the impact of human behavior by exploring the food safety climate in food companies. In this study the food safety climate in the Belgian food processing industry was investigated and correlations between food safety climate and organizational (general and quality-related) characteristics of food processing companies were assessed. Additionally, the factorial validity of the applied food safety climate assessment tool was investigated, using exploratory factor analysis. Data were gathered through an online survey. Overall, the food safety climate was perceived to be on a good level for most of the 136 responding companies. Companies with multiple sites in Belgium appeared to perceive the food safety climate better than one-site companies. Food companies providing more than one training session per year appeared to perceive their food safety climate significantly better than companies providing less training (p < 0.001). For the other organizational characteristics investigated (such as company size, sector, presence of quality department, time spent on quality control, certification, available budget for maintaining the FSMS) no significant correlations with the food safety climate could be proven. Exploratory factor analysis revealed the existence of 4 underlying factors: factor 1 mainly dealing with ‘leadership related’ indicators, factor 2 with ‘resources related’ indicators, factor 3 with ‘communication related’ indicators and factor 4 is a mix of mainly ‘risk awareness related’ indicators and some ‘commitment related’ indicators.

Key words: food safety culture; food safety climate; food processing industry
دریافت فوری
متن کامل مقاله

امکان دانلود نسخه تمام متن مقالات انگلیسی
امکان دانلود نسخه ترجمه شده مقالات
پذیرش سفارش ترجمه تخصصی
امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
امکان دانلود رایگان ۲ صفحه اول هر مقاله
امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
دانلود فوری مقاله پس از پرداخت آنلاین
پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات