

Accent Graphics
Publishing & Communications

Accent Graphics Communications & Publishing, Hamilton, Canada

 **PREMIER**
Publishing

Premier Publishing s.r.o.

Центр научных исследований «Solution»

13th International conference

Science and society

19th July 2019

Hamilton, Canada
2019

The 13th International conference “Science and society” (July 19, 2019) Accent Graphics Communications & Publishing, Hamilton, Canada. 2019. 237 p.

ISBN 978-1-77192-360-6

The recommended citation for this publication is:

Busch P. (Ed.) (2019). Humanitarian approaches to the Periodic Law // Science and society. Proceedings of the 13th International conference. Accent Graphics Communications & Publishing. Hamilton, Canada. 2019. Pp. 12–17

Editor	Lucas Koenig, Austria	Morozova Natalay Ivanovna, Russia
Editorial board	Abdulkasimov Ali, Uzbekistan	Moskvin Victor Anatolevich, Russia
	Adieva Aynura Abduzhalalovna, Kyrgyzstan	Nagiyev Polad Yusif, Azerbaijan
	Arabaev Cholponkul Isaevich, Kyrgyzstan	Naletova Natalia Yurevna, Russia
	Zagir V. Atayev, Russia	Novikov Alexei, Russia
	Akhmedova Raziya Abdullayevna	Salaev Sanatbek Komiljanovich, Uzbekistan
	Balabiev Kairat Rahimovich, Kazakhstan	Shadiev Rizamat Davranovich, Uzbekistan
	Barlybaeva Saule Hatiyatovna, Kazakhstan	Shhahutova Zarema Zorievna, Russia
	Bestugin Alexander Roaldovich, Russia	Soltanova Nazilya Bagir, Azerbaijan
	Boselin S.R. Prabhu, India	Spasennikov Boris Aristarkhovich, Russia
	Bondarenko Natalia Grigorievna, Russia	Spasennikov Boris Aristarkhovich, Russia
	Bogolib Tatiana Maksimovna, Ukraine	Suleymanov Suleyman Fayzullaevich, Uzbekistan
	Bulatbaeva Aygul Abdimazhitovna, Kazakhstan	Suleymanova Rima, Russia
	Chiladze George Bidzinovich, Georgia	Tereschenko-Kaidan Liliya Vladimirovna, Ukraine
	Dalibor M. Elezović, Serbia	Tsersvadze Mzia Giglaevna, Georgia
	Gurov Valeriy Nikolaevich, Russia	Vijaykumar Muley, India
	Hajiyev Mahammad Shahbaz oglu, Azerbaijan	Yurova Kseniya Igorevna, Russia
	Ibragimova Liliya Ahmatyanovna, Russia	Zhaplova Tatiana Mikhaylovna, Russia
	Blahun Ivan Semenovich, Ukraine	Zhdanovich Alexey Igorevich, Ukraine
	Ivannikov Ivan Andreevich, Russia	Proofreading Andrey Simakov
	Jansarayeva Rima, Kazakhstan	Cover design Andreas Vogel
	Khubaev Georgy Nikolaevich	Contacts Premier Publishing s.r.o.
	Khurtsidze Tamila Shalvovna, Georgia	Praha 8 – Karlín,
	Khoutyz Zaur, Russia	Lyčkovo nám. 508/7, PSČ 18600
	Khoutyz Irina, Russia	1807-150 Charlton st.East,
	Korzh Marina Vladimirovna, Russia	Hamilton, Ontario, L8N 3×3 Canada
	Kocherbaeva Aynura Anatolevna, Kyrgyzstan	
	Kushaliyev Kaiser Zhalitovich, Kazakhstan	
	Lekerova Gulsim, Kazakhstan	
	Melnichuk Marina Vladimirovna, Russia	
	Meymanov Bakyt Kattoevich, Kyrgyzstan	
	Moldabek Kulakhmet, Kazakhstan	

Material disclaimer

The opinions expressed in the conference proceedings do not necessarily reflect those of the Premier Publishing s.r.o. or Accent Graphics Communications & Publishing, the editor, the editorial board, or the organization to which the authors are affiliated.

The Premier Publishing s.r.o. or Accent Graphics Communications & Publishing is not responsible for the stylistic content of the article. The responsibility for the stylistic content lies on an author of an article.

Included to the open access repositories:

eLIBRARY.RU

© Premier Publishing s.r.o.

© Accent Graphics Communications & Publishing

© Центр научных исследований «Solution»

All rights reserved; no part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without prior written permission of the Publisher.

Typeset in Berling by Ziegler Buchdruckerei, Linz, Austria.

Printed by Premier Publishing s.r.o., Vienna, Austria on acid-free paper

ACCOUNTING FOR THE QUALITY OF AGRARIAN PRODUCTS

KHOMOVIY S.M.

*Candidate of Economic Sciences,
Associate Professor of Accounting and Taxation
Bila Tserkva National Agrarian University
Bila Tserkva, Ukraine*

KHOMOVIY M.M.

*Candidate of Agricultural Sciences,
Assistant Professor of the Department of Agriculture,
Soil Science and Plant Protection,
Podillian State Agrarian and Engineering University
Kamyanets-Podilskyi, Ukraine*

TOMILOVA N.O.

*Candidate of Economic Sciences,
Associate Professor of Accounting and Taxation
Bila Tserkva National Agrarian University
Bila Tserkva, Ukraine*

According to the international practice, the effective regulation of the quality of agricultural products and an appropriate legislative framework is an essential element in the system of food safety purposes.

In the developed countries of the world high quality products are one of the main sources of the national wealth. According to the annual report of the UN Human Development in 2018, the index of human development Ukraine takes the 83th place among 184 countries. A significant reason for this is the low quality of food consumed by Ukrainians. For sufficient potential abilities of the agricultural sector,

the ensuring of the appropriate product quality is the primary task and one of the areas of the national economy.

According to a survey of customers in different countries of the world we see that today almost all of them consider quality as the main factor in the selection of goods compared to its price and other criteria [1, p. 38].

Evolution category «quality» depends largely on the same level of technical and economic development of society, i.e. the expansion of technology (innovation, scientific-technical progress), the sectorial structure of the economy, patterns of production and consumption [2].

Ukrainian Quality Association provides the following definition of «quality control» – these are activities for the common control that determine quality policy, objectives and responsibilities and carry them through such means as quality planning, quality control, quality assurance and quality improvement within the quality system.

There are two terms in the dictionary the European Organization for Quality (YEOYA), in the international standards ISO 8402 : 1994 and ISO 9000 : 2000 that characterize quality management, «quality control» and «quality management», analogues of «operational quality management» and «quality management» [3].

The harmonization of the Ukrainian legislation to the European Union (EU) on the quality and safety of agricultural products is also an important factor in attracting foreign investment to the agricultural sector of the Ukrainian economy. These issues are reported in Regulation № 178/2002 of the European Parliament about the establishment of general principles and requirements of food code, establishing a European authority for food safety and the establishment of measures for food safety, which was the basis for the all-embracing standard of hygiene in food and stern products.

On the legal basis of this given resolution a system of rapid alert – Rapid Alert System for Food and Feed (RASFF) was created, for informing direct or indirect risk to human health.

Nowadays, the concept of HACCP has an international recognition as a special food system, due to which the safety of the consumers' health is ensured. The main purpose of this concept is the systematic analysis of the flow of products from raw materials all stages of handling and processing up to the sale of finished products.

The Concept of a comprehensive program of supporting the development of a Ukrainian village for years 2016-2020, approved by the Cabinet of Ministers of Ukraine, there is one of the ways to solve the problem of rural development is food safety and manufacturing quality products that are provided to ensure through the following measures:

- ✓ strengthening the protection of consumers rights by improving state control over the quality and safety of food products, harmonization of national standards with international ones;
- ✓ establishment of the quality management system of agricultural products and foodstuffs;
- ✓ introduction of the global system of marking and certification of agricultural and food products;
- ✓ encouraging expansion of organic, environmentally pure products [4].

The quality of products is influenced by a number of factors. The importance of each group of factors is undeniable, although each company depending on the conditions of each of these groups can be specified factors and take different priority.

There are two groups, which are considered to be the main factors that affect the formation of agricultural product quality. The first category includes: 1) raw materials, seeds and own produced food take a specific weight; 2) staff (middle managers and workers as direct executors); 3) equipment. The second group involves: 1) cultivation technology of biological assets; 2) technological stages (processes) of the production that are distinct in the plant production and distant in time; 3) functioning of the system of quality control.

All these factors affect the organization and methods of accounting and economic analysis of the costs for quality products produced by a company.

Development of accounting methods and the cost for providing the quality products must match the principle of the process approach to quality management declared by international standards ISO 9000. It will let give complete and accurate information about the costs of business processes that characterize the quality of products, taking into account the resources used for economically proved management decisions.

Some scientists' approaches to building techniques of reflecting the cost of providing quality products to the accounting can be divided into four groups:

- opening of a separate prefabricated account will not let to lose quality assurance costs in total costs of an enterprise;

- appropriate to take into account the costs on the assurance of the quality on a separate subaccount to the account «Production». It comes from the fact that today, the costs for the quality products recorded total amount consisting of direct production costs on account 23 «Production» [5]. It means the costs on the assurance of the quality of certain type of a product are «disappearing» in the total amount of the costs for its production.

- offers to lead accounting costs of quality on the subaccount 941 «Costs of research and development». The expediency of using this subaccount, a scientist explains that the cost of providing quality products can be linked not only to its production but also with the administration and implementation of this product. At the end of the reporting period preventative spending the first group (subaccount – 9411) in its entirety should be written off on a synthetic account 92 «Administrative expenses». Total costs of the second group (subaccount – 9412) distributed between types of products.

- introducing analytical accounts to account for the cost of providing quality products to the synthetic accounts 20 «Inventories», 23 «Production», 24 «Defect in the production», 26 «Finished goods», 91 «Total expenditures», 92 «Administrative costs», 93 «Cost of sales», 94 «Other operating expenses» in terms of «Quality costs».

For the display of the cost of providing quality products for their intended purpose and business processes on accounts offer apply analytical accounts and to the following structure:

XX / YZ: the first two signs – an account number on the plan of accounts; the last two signs – the code of an item of expenses on quality: 00 unrelated expenses to provide quality products (important to accounts 20 and 26); 01 «The costs of prevention»; 02 «Expenses for evaluation»; 03 «Costs because of internal defects»; 04 «Losses through external defects».

However, it is necessary to remember that high quality should not be achieved at any cost. Additional costs associated with the realization the complex of factors must be economically expedient, that the demand for products and in some cases the price should rise in value more than it is necessary compensating an excess of these costs.

In the process of having own research related adjustments and amendment appeared, which without changing the approach in general, still making adjustments to the analytical process of determining the most quality costs. As a result, the following groups of losses in quality were identified:

- 1) strategic costs of quality – associated with the improvement of the quality management system;
- 2) current costs to assess the level of quality – the cost of monitoring and testing, audit of quality assurance;
- 3) real costs of an insufficient quality – the cost of processing production, losses due to lower grade of quality, as a result of a complaint and as a result of liability claims and lawsuits.

The cost structure for quality in 5 enterprises Kyiv Region is analyzed in this research (tab. 1). The data in the table 1 show that the proportion of quality costs in the total cost ranges from 1,4 – 3,9% and is generally acceptable within the industry.

However, the bulk of these costs make up the losses from defective products, which constitute 95,5 – 98,7%, which is average – 93,3%. The downside is the low share of strategic and quality costs, including the observed dependence – the lower

the cost of developing the quality, the higher the loss of a defect. That last provision could be seen as reducing overall costs in general, including the defect of improving the management quality.

Table 1

The cost structure of the quality in agricultural enterprises

Years	The cost of quality		The cost structure of the quality, %		
	Th.hr	in the expenditure structure, %	strategic quality costs	current cost of quality assessment	losses from the lack of quality of production (defect, etc.)
2014	10965,32	3,96	0,04	1,21	98,75
2015	7310,25	1,48	1,47	2,98	95,55
2016	18501,41	2,80	0,33	1,97	97,70
2017	18891,05	2,24	0,69	1,86	97,45
2018	16036,75	1,70	1,14	2,13	96,73

Conclusion. Ukraine's accession to the EU opens up new markets for products and including agricultural. However, realization of this possibility is necessary to ensure the specified level of product quality. Given the international experience of legal regulation of quality agricultural products, solving this issue in Ukraine is possible by developing the program adaptation of national legislation on accounting and legal regulation of quality agricultural products to international requirements.

The analysis showed that there are no recommendations for composition, display the costs, and improve product quality assurance in Ukraine. This leads to complications and sometimes impossibility of obtaining information on the cost of the quality of decision making by management and further development of the company.

Research the cost structure for quality in enterprises Kyiv Region revealed their share in total expenditure varies from 1,4 – 3,9%. Much of these costs make up the losses from defective products. So, in 2014 they accounted for 98,7 %.

References:

1. Anisimova N.Y. Quality System analysis of wine products / N.Y. Anisimova // Bulletin ZHGTU. – № 2 (32). – 2005. – P. 38-44.
2. Buryak R.I. The impact of a category «quality» on the socio-economic development of society / R.I. Buryak // Scientific Production Journal «Innovative Economy». – № 3. – 2015 (58). – P. 9-17.
3. Buryak R.I. The quality management as part of the overall management of agricultural enterprise / R.I. Buryak // Proceedings of the Tavrian Agrotechnological State University (economic sciences) / Ed. M.F. Kropyvka. – Melitopol, Melitopol publishing house typography «Lux», 2012. – № 2 (18), Volume 4. – P. 50-59.
4. The concept and content of the quality and safety of agricultural products [Electronic resource]. Access-[http:// pidruchniki. Com / 1499052857508 / pravo / pravove_regulyuvannya_yakosti_bezpechnosti_silskogospodarskoyi_produktsiyi#793](http://pidruchniki.com/1499052857508/pravo/pravove_regulyuvannya_yakosti_bezpechnosti_silskogospodarskoyi_produktsiyi#793).
5. Tymriyenko I.Y. Management accounting costs of the product quality, conceptual approach, theory and practice [Electronic resource]. Access – : [http://www.nbu.gov.ua/e-journals/PSPE/2009_1/ I.Y. Timriyenko_109.htm](http://www.nbu.gov.ua/e-journals/PSPE/2009_1/I.Y.Timriyenko_109.htm).