MOTIVATION OF CONSUMERS AND FOOD SAFETY IN HUNGARY

INTRODUCTION. FOOD QUALITY HAS BEEN INCREASING

In the developed Western European countries, from the end of the 1980’s the process has increased while the consumer demand has grown for products of multiple generation, manufactured in a traditional way, in good quality and mark particular regions (Neggi, 2007). Hope that more and more people will recognise the importance of safekeeping of the traditions in the course of this world globalisation. It especially pertains to special goods of good quality and of national worth; these can be regarded as “presents of nations and regions to the world” (Kühne, et.al., 2010).

The chosen topic of the current thesis is being justified by several facts. Since the middle of the nineties – observing the implemented processes in the European Union and in the other developed regions of the world – we can experience that the emotional and moral approach of the food quality has been increasing (Pieniak et al., 2010). The consumer evaluates not only the per cent points or the measure of mg/kg but he also demands that the product shall give the same pleasure according to his experience since generations. Tradition, landscape, culture are attached to the food quality (Gawron et al., 2009).

Specialities differing from the other ones, high-toned products representing an area are being suggested to offer along with proper/relevant marketing ways (Hough et al., 2010).

Systems are being elaborated in the EU that help the satisfaction of the market demand of foods being in connection with the tradition, landscape, culture area and they support thereby people manufacturing such products who often work in underdeveloped regions, without sufficient capital and marketing activity (Libetry et al., 2007).

Figure 1: The interpretation of quality

Food safety plays these days a key role in all segments of food industry. A series of problems affecting the food chain, such as BSE, dioxin contamination and the recent pepper contamination...
incident, has served to increase consumer anxiety over food quality in Europe over the past few years. High quality food contains a high proportion of healthy ingredients and it supplies the body with the necessary nutrients. However, the most important requirement, which even has priority over the above mentioned factors, is food safety for the consumers can be seen in the figure 1 (Ho et al., 2007).

**APPLICATION OF QUALITY SYSTEMS**

Food production is separated from food processing in time and space. Mass produced food quickly reaches massive amounts of consumers on a global level. EU policies aim to develop a common internal market. Consequently, any food must comply with strict food safety regulations irrespective of the country of origin, which requirement necessitated a more efficient and dynamic food policy as well as complex standard and transparent measures (Wallace et al., 2010).

The first step was the compilation of the so-called White Book. The White Book sets out the following principles:
- The establishment of an independent European Food Safety Authority
- Harmonisation of national food safety systems
- Realisation of product traceability
- Better communication between consumers and food producers

Having modern complex quality assurance systems in food industry is no more optional, each participant must use them.

Potential hazards in the food chain can be divided into the following groups:
- Physical hazards
- Microbiological hazards
- Food chemistry hazards
- Other hazards: e.g. radioactive contamination (Yiannas, 2010).

**METHODOLOGY OF RESEARCH. COSTS AND FORMS OF RETURN ON INVESTMENT**

So-called quality costs resulting from the application of food safety and quality assurance systems can be divided into four groups:

1. Error prevention costs. These are expenditures related to the development and introduction of quality assurance systems.
2. Examination costs.
3. Internal error costs. Extra costs related to waste products produced during production.
4. External error costs. Extra costs related to warranty issues.

However, costs may be recoverable in various forms:
- Central governments and the EU currently make considerable financial support available for the development of modern quality assurance and environmental systems.
- The introduction of quality assurance systems can help decrease the ratio of waste and low-quality products.
- Each supplier must possess the appropriate certificates, this is a requirement imposed by bigger multinational companies.
- Claims resulting from quality deficiencies and fines resulting from shortcomings revealed during official controls will be avoidable.
- Customer satisfaction will increase, which will consequently result in increasing demand for the products (Solymosi, 2005).

**TRACEABILITY**

ISO 8402:1994 defines traceability as the ability to trace the history, application or location of an entity by means of recorded identifications. The main objective of traceability is the exact identification and isolation of the source of any potential contamination, thus enabling the return and withdrawal of such products from the market. The fact that 20% (Gawron et al., 2009) of the European population suffers from various forms of food allergy or intolerance highlights the importance of traceability. The ratio of affected children is 4 to 8% (Shewfelt, 2009) depending on the region where they reside.

Product traceability must work in two directions: On the one hand, it must enable the step-by-step traceability of a certain product at each organisation involved at any stage of the production chain. This forward moving activity in the production chain must be continuously conducted. On the other hand, it must enable the accurate identification of any end product, i.e. identification of the parts or ingredients as well as the production and distribution processes to which the product has been subject (Figure 2).

The following three factors are to be considered during the implementation of an efficient tracing system:

1. The properties of the product that are to be examined.
2. The depth of the tracing and the quantity of the traced product.
3. The reliability of our system and the error margins we can accept (Biacs, 2007).
METHODS OF PROCESS

Primary questionnaire of method of research was used. The research was carried out on the basis of standard questionnaire (n=1414). SPSS 13.0 software application was used to evaluate the questionnaire results. We performed significance tests by assigning background variables to certain questions or question groups. Instead of a comprehensive analysis of the whole questionnaire, the study rather focuses on the representation of significant results based on the analysis of the most emphatic questions (Ladányi, 2005).

RESULTS OF RESEARCH

The capital aim of the research is the analysis of the Hungarian consumers' purchase habits in the concern of the quality.

The analysis (Figure 3.) highlights that three-fourth (75.1%) of female consumers and a little less than two-third of male consumers pay attention to the traceability of products that they purchase. The number of consumers making conscious decisions during food purchase is increasing.

Health-conscious consumers are waking to the importance of traceability, therefore the number of consumers preferring traced products will probable be further increasing in the near future. A disadvantage is, however, that the application of such systems currently affects only a few sections of the entire food vertical. Consumers are not properly informed, therefore they do often not know that they are about to buy a traced product.
The majority of the respondents think that the traceability of a product guarantees high quality, safety and it offers many other benefits as well. Traceability consequently guarantees safety.

Figure 5 reveals a lot about the difference regarding the respondents’ opinion on quality. A minor segment of the respondents (10%) opines that traceability does not guarantee product safety. A somewhat bigger segment of the respondents (13%) thinks that traceability means a guarantee of high quality. For this consumer group, guaranteed quality is a dominant factor.

CONCLUSIONS AND DISCUSSIONS

It can be stated that a considerable portion of the respondents consciously decides on the purchase of traced products. Owing to the media coverage of constantly surfacing food incidents, the number of consumers preferring traced foods will be increasing. The consumers have a higher degree of trust in such products. The fact, however, that the majority of consumers fails to realise the importance of traceability due to lack of information and connects it to food safety raises concerns. Traceable products represent higher value for consumers but consumers expect guaranteed quality in return. Quality can, however, be not only a guaranteed feature of a product but it can be a functional one, too.

The tasks for the improvement in the situation of the products available on the market:

In addition to the traditional mass production, a special range (niche) of products needs to be amplified, as the age-long farming experience has resulted in a high quality of Hungarian horticultural products. To do so, a persons’ high level of specific expertise and their skills are essential;

An important task is the marketing strategy for the specific products in order to access the market and improve marketing communications;

The packaging or the product must be marked with the origin and/or a trademark, and the goods need to be provided with the proper product information stating product advantages. For this achievement the preparation of the business side is inadequate;

There would be a need for the growers and processors to form “groups”, because only then will the community legislation allow the using of trademarks, geographical identifiers and indicators of origin.

The aid system must be designed so that it allows for the development of the special production structures and it should focus on the boost to the values.

REFERENCES


