



# FOOD INDUSTRY

Sweets produced by Solidarność, herbal teas and syrups made by Herbapol, meads and bee honey manufactured by Apis, noodles, flour and flakes characteristic of Lubella and beer from Perła breweries are well known products which do not require greater recommendation. For years, they have been the recognizable brands of Lublin. Not the only ones, though.

The Lubelskie region, also referred to as the granary of Poland, is one of the most important agricultural areas in the country, providing as much as 35% of the food produced in Poland. Moreover, the number of farms producing certified ecological food exceeds 2 thousand.



# HISTORICAL OUTLINE |

## YESTERDAY

The development of the food industry has been fostered for centuries by the geographical and climatic conditions of the region as well as the economic ones - Lublin was located on the famous trade route leading from the Black Sea to the west of Europe which resulted in famous fairs being organised here four times a year. Thanks to them, the city developed: trade flourished and craft workshops, merchants' warehouses, stalls, mills, smithies and inns were created. In the second half of the 19th century the first production plants and factories concentrated mainly on food processing started to appear in the city. It was here that one of the most advanced complexes of milling industry in the country was created ("Papiernia" of the Krauze brothers), breweries of Rudolf Vetter were established (today known as "Perła Lublin Breweries") and in 1895 the "Lublin" Sugar Factory started its operation.

In 1901 Sender Zylber launched Fabryka Wódek i Likierów (Vodka and Liqueur Factory) in Koźminek while in 1909 Potato Processing Plant was set up. One of the events of crucial importance to the industry was the establishment in 1913 the Lubelska Spółdzielnia Spożyców (Lublin Food Producers Cooperative), which has been active until today.

## TODAY

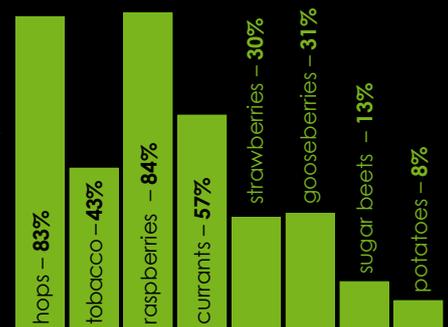
Owing to the agricultural character of the region, Lublin treats food industry as a priority. Convenient climatic conditions allow to cultivate all plants typical of our geographic zone.

The Lubelskie region is a national leader in the cultivation of cereals, hop and soft fruit. Distinctive segments of plant production include ecological food, produced by more than 2000 licensed manufacturers. The most important sectors of food industry within Lublin are: cereal and milling, fruits and vegetable, dairy, meat, brewing, herbs, apiarian, tobacco and spirits. The development of the food industry is supported by scientific research institutions operating in Lublin, among others, the University of Life Sciences or the Agrophysics Institute of the Polish Academy of Sciences. Food and Human Nutrition Technology, Horticulture, Biology and Biotechnology are fields of study popular with students in Lublin. Another advantage supporting the development of the food industry is the wholesale commodity market, operating on the outskirts of Lublin, in Elizówka, which constitutes an excellent infrastructural facility for the traders of agricultural goods and food products.

## STRENGTHS

- agricultural profile of the Lublin region - arable lands occupy 68% of the province area
- the highest level of insolation in Poland - 1200 kWh/m<sup>2</sup> yearly
- presence of famous brands of food industry
- broad network of scientific institutions, numerous experiment and research institutes
- centre of healthy food - more than 2000 certified manufacturers of ecological food

NATIONAL LEADER IN THE CULTIVATIONS OF THE FOLLOWING PLANTS:



the area of orchards in the Lublin region - **69 thousand ha** (the 2nd position in Poland)

harvest of cereals in total in million tons - **2.6 million tons** (the 2nd position in Poland)

HARVEST OF CEREALS ACCORDING TO TYPES AND HELD POSITIONS IN POLAND:

- wheat - the 2nd place
- barley - the 2nd place
- oats - the 2nd place
- rye - the 4th place
- triticale - the 6th place

FRUIT COLLECTION FROM TREES:



POSITIONS OF THE LUBLIN PROVINCE:

- apples - the 2nd place
- plums - the 2nd place
- cherries - the 2nd place
- sweet cherries - the 3rd place
- pears - the 3rd place

FRUIT COLLECTION FROM FRUIT SHRUBS AND BLUEBERRY PLANTATIONS:

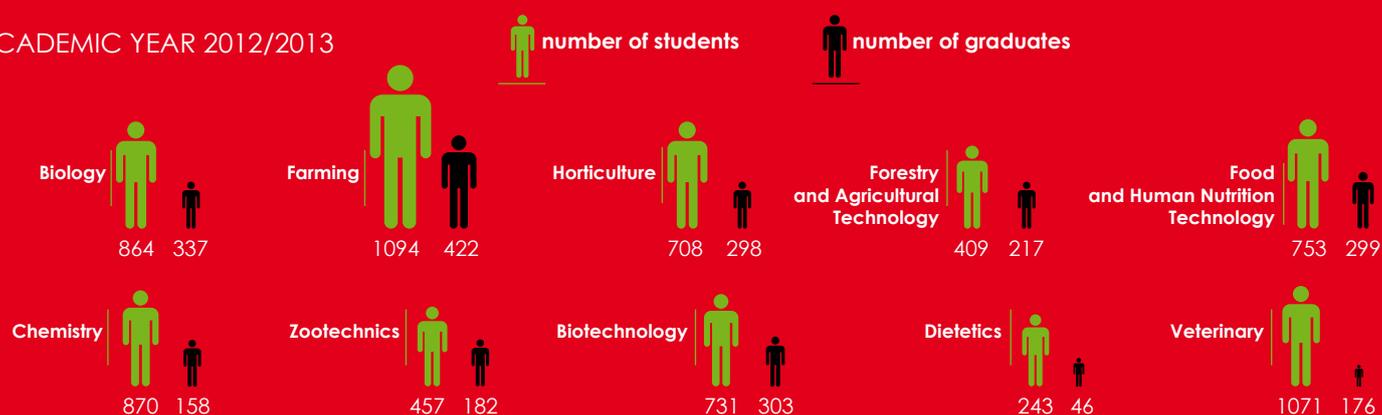


POSITIONS OF THE PROVINCE:

- raspberries - the 1st place
- currants - the 1st place
- gooseberries - the 1st place
- strawberries - the 2nd place

# INTELLECTUAL POTENTIAL:

ACADEMIC YEAR 2012/2013



Self-study based on the data collected from universities and colleges in Lublin

## RESEARCH AND DEVELOPMENT INSTITUTES IN THE FOOD SECTOR:

### **B. Dobrzański Institute of Agrophysics Polish Academy of Sciences (PAN)**

[www.ipan.lublin.pl](http://www.ipan.lublin.pl)

The basic tasks of the Institute include carrying out cognitive and practical research as well as trainings for academics on the application of physics to solving problems related to environmental protection, sustainable agriculture and crops and food processing. In the Division of Plant Materials Physical Properties within the Institute, research is conducted on, among other subjects, physical and biological processes occurring during collection, transport, storage and processing of crops. Employees of the Institute also deal with labelling the physical properties of plant materials and carry out research on quality control and maintenance of grains and seeds as well as sensory values of bread.

### **Witold Chodźka Institute of Rural Health**

[www.imw.lublin.pl](http://www.imw.lublin.pl)

The Institute is a science institution as well as healthcare services provider subordinate to the Ministry of Health, whose scope of operations includes health protection of the rural population as well as improvement in sanitary and hygienic conditions of the rural environment. In the Health, Food and Nutrition Promotion Division of the Institute official opinions are issued on the food products introduced for the first time to the Polish market.

### **Central Agroecological Laboratory (CLA) of the University of Life Sciences in Lublin**

[www.cla.up.lublin.pl](http://www.cla.up.lublin.pl)

The most advanced centre in Poland for nutrition ingredients testing. Tests of vegetables and fruits, cereals, water and even biofuels are performed here. CLA, thanks to the newest testing equipment, currently offers more than 300 services of this type.

### **Biotechnology Centre, UMCS**

(Maria Curie Skłodowska University)

[www.umcs.lublin.pl](http://www.umcs.lublin.pl)

The Centre operates in the area of research and development, consulting, intellectual property protection and technology transfer. Special areas of the Centre operations include: environment and energy sources, agriculture and food, biotechnology and health protection as well as chemistry. The Centre provides free services for companies and institutions.

### **Centre for Innovation and Implementation of New Techniques and Technologies in Agricultural Engineering**

/under construction/

[www.ciw.up.lublin.pl](http://www.ciw.up.lublin.pl)

The Centre is a recent University of Life Sciences investment, whose deadline for completion is planned for the end of 2013. As a result, more than 12 000 m<sup>2</sup> will be delivered where 25 laboratories and research institutes will be created.

### **Eco-Tech Complex: Analytical-Programme Centre for Environmentally-Friendly Advanced Technologies**

/under construction/

[www.umcs.lublin.pl](http://www.umcs.lublin.pl)

The Complex will consist of modern laboratories and research implementation workrooms where the innovative technologies will be elaborated related i.a. to ecology, genetics and biology. The projects is a joint initiative of the scientific community from several largest cities in Eastern Poland, coordinated by the Maria Curie-Skłodowska University.

### **Research and Innovation Centre of Agrophysics Institute Polish Academy of Sciences (PAN)**

/under construction/

[www.projekty.ipan.lublin.pl](http://www.projekty.ipan.lublin.pl)

Investment of Bohdan Dobrzański Agrophysics Institute of the Polish Academy of Sciences in Lublin. The facility will perform laboratory functions, with the possibility to simulate production processes such as algae growing for energy generation, production of biomass forms, post-fermentation waste management, innovative models of rape seed oil production, plants growth as well as storage processes of fruits and vegetables.

## FOOD INVENTIONS OF SCIENTISTS FROM THE LUBLIN REGION

### MIRACLE OIL

Rape seed oil with unprecedented health values is produced in the Lublin Agrophysics Institute of the Polish Academy of Sciences. The author of its recipe is Prof. Jerzy Tys.

The oil "Kropla Zdrowia" owes its properties to the special varieties of rapeseed (from environmentally friendly crops) and technologies of its production (it is pressed without access to light and oxygen) and the seeds are stored in a special silo, which allows to keep the rapeseed in an appropriate humidity, dry it properly and cool by means of nitrogen. As a result, the oil retains compounds valuable for health, present in rapeseed – caretonoids, tocopherols and sterols. They help to prevent lifestyle diseases, such as tumours and heart diseases and reduce the level of cholesterol.

### LASER WILL LOOK INTO AN APPLE

Scientists from the Lublin Agrophysics Institute of the Polish Academy of Sciences under supervision of Prof. Artur Zdunek have invented the first device in the country that evaluates the condition of fruit by illuminating it with lasers. The equipment makes it possible to assess whether the fruit is healthy, whether there are physiological changes in it, and whether there are no changes resulting from mechanical damage. It also allows to examine the content of colorants. What is also important is that the fruit is not damaged during examination. To construct this device, the Lublin scientists were granted a subsidy of 1.15 million PLN from the National Centre for Research and Development.



## INFRASTRUCTURAL FACILITIES

### LUBELSKI RYNEK HURTOWY S.A.

(Lublin Wholesale Market)

[www.elizowka.pl](http://www.elizowka.pl)

Lubelski Rynek Hurtowy (Lublin Wholesale Market), covering an area of 54ha, is located in Elizówka on the administrative border of Lublin, at national road no. 19. It constitutes a commodity market farthest to the east in the European Union. Wholesale trade is conducted there, mainly with agricultural – food products. Modern infrastructure, equipped with convenient access and car parks, guarantees efficient and safe transport. Currently the commercial area is rented by approximately 160 companies, serving ca. 3000 customers a day.



Source: Lybella



Source: Lybella

## LEADERS IN FOOD SECTOR

### Confectionery Company

**“Solidarność - founded in 1952” Sp. z o.o.**

[www.solidarnosc.pl](http://www.solidarnosc.pl)

“Solidarność” is a manufacturer of original sweets, known not only in the country, for 60 years invariably in the lead with a popular and valued chocolate-coated plum.

It is a company, which effectively merged tradition with modern management, creating a strong brand thanks to which it now occupies a strong position in a very competitive market.

The greatest capital of the company is the quality of its products which was achieved through the application of modern production technology and the preparation of own recipes. Thanks to them, customers can experience the unique flavour of stuffed chocolates Delfina, walnuts in chocolate, jellies or biscuits. The Company takes pride in the richness of flavours and the aesthetic and attractive graphic layout of packaging.

### Herbapol - Lublin S.A.

[www.herbapol.com.pl](http://www.herbapol.com.pl)

Herbapol – Lublin S.A. is well-known and strongly established on the market.

Operating for more than 60 years, the company is famous, above all, for its herbal teas. Not only, however. On offer one can also find fruit-flavored, black and green tea, a variety of syrups such as raspberry or cranberry, dietetic products and medicinal products. The strongest asset of the company is that the products are developed only from natural ingredients obtained via a system of raw material acquisition unique in Europe based on the company’s own network of partners, local farmers. Production processes are consistent with the highest standards of food and nutrition safety. In compliance with the Herbapol motto: “You have it in the nature” the company puts emphasis on the production of goods fostering healthy lifestyle and delivering the sense of being close to nature.

### PERŁA Browary Lubelskie S.A.

[www.perla.pl](http://www.perla.pl)

Lublin Breweries Perła is one of the biggest regional beer manufacturers in Poland. The flagship product

is Perła Chmielowa, whose recipe is based on a centuries-long tradition of the Lublin brewing industry. The Company is also dynamically introducing new flavours, such as unpasteurized beer or honey beer. In 2006 Perła – Browary Lubelskie S.A. was one of the first breweries in the country to receive the ISO 22000 certificate. According to the quality policy adopted by the company, the basis for its operation is diligence at every stage of production to provide consumers with a possibly safest product, meeting the highest standards.

### Spółdzielnia Pszczelarska APIS w Lublinie

[www.apis.pl](http://www.apis.pl)

Operating for over 80 years, Spółdzielnia Pszczelarska APIS (Apiculture Cooperative), is a manufacturer of a dozen or so types of meads and bee honey. Thanks to experience and the Old Polish recipes, the products of the cooperative have often received awards at fairs and exhibitions within the country as well as abroad. The APIS Apiculture Cooperative in Lublin is the only Polish producer which has positively passed the control of compliance with specification of process production of trójniak mead (a product that is a “Guaranteed Traditional Specialty”) conducted by Inspection of Commercial Quality of Agricultural – Food Products. The company has a specialized control-research laboratory with modern equipment that monitors the product quality at all stages of production. APIS operates the newest food safety system according to standard BRC version 6.

### Stock Polska Sp. z o.o.

[www.stock-polska.pl](http://www.stock-polska.pl)

Manufacturer and distributor of many appreciated beverages, pure vodkas, quality vodkas, liqueurs, Vermouths and wines. The products are developed on the basis of traditional recipes, thanks to which they gained recognition of connoisseurs worldwide. Since 2007 Stock Poland/Polmos Lublin is a part of the international holding Stock Spirits Group. Broad offer of products awarded in many international competitions determines the exceptional position of the company in the Stock Spirits Group.

# CLUSTERS AND ASSOCIATIONS

## **Dolina Ekologicznej Żywności** (Organic Food Valley Cluster)

[www.dolinaeko.pl](http://www.dolinaeko.pl)

The first cluster in the country, associating various entities operating for the benefit of promotion and development of ecological food. It has an open character and its structures can include entities and organizations interested in the development of ecological food production in Eastern Poland (Lublin, Podkarpackie, Świętokrzyskie, Podlaskie, Warmińsko-Mazurskie Province).

## **"Lubelski Klaster Branży Spożywczej" Association**

(The Lublin Cluster of Food Sector)

[www.lir.com.pl](http://www.lir.com.pl)

The purpose of the initiative, currently associating 22 entities, is the development and promotion of a recognizable brand of regional food products coming from Lubelskie region.

## **Association "Lubelski Cebularz – Regionalny Klaster w Lublinie"**

(The Lublin Onion Wheat Cake - A Regional Cluster in Lublin)

[www.lir.com.pl](http://www.lir.com.pl)

The initiative associates 11 regional entities whose activities are connected with one of the most popular traditional products in the Lublin Province, which is Cebularz (onion wheat cake).

# SUCCESS STORIES

## **Lubella Sp. z o.o. S.K.A.**

[www.lubella.pl](http://www.lubella.pl)

Lubella is a company with an over 130-year-old tradition and experience in processing cereals, connected with Lublin from the very beginning. Its location in this region combines the values of raw material back-up resources and human resources. It is thanks to our employees, coming mainly from the Lublin schools and universities that we have become the leader in the market of noodles in Poland and a well-known manufacturer of cereal products: flour, groats, sticks and breakfast cereal. In 2003 Lubella became a part of the Maspex Wadowice Group, one of the largest companies on the food market in Central-Eastern Europe. It resulted in dynamic growth and multi-million pound investments. Within a decade a new production and storage hall was built, a modern mill and the whole machinery park was thoroughly modernized.

We cooperate on many levels with the Lublin local government and the Lublin universities. First of all with the University of Life Sciences and the Lublin University of Technology for instance in terms of development of food technology. We also support the students by organization of training programmes and internships and new employees are recruited from among young graduates.

Wojciech Jamróz  
President of the Management Board

## **AGRAM S.A.**

[www.agram.pl](http://www.agram.pl)

AGRAM is a 100% Polish company which continues a 50-year long tradition of trade and production. The main raw materials for our frozen food are agricultural products originating from the ecological Lublin region. The correctness of the production process for deeply frozen fruit and vegetables is supervised by experienced technologists and quality controllers. The Company consists of two production plants. Refrigeration plants of AGRAM are able to process and store up to 30 thousand tons of frozen food products.

Our strengths include: implemented HACCP system, BRC and IFS standards, certificate of kosher standards, a modern production system and direct access to ecological raw materials. Our frozen food reaches different parts of the world. 85% of production is exported to Western Europe, Eastern Europe and Scandinavian markets as well as to Australia and Chile. Last year, the first deliveries to the demanding US market were completed. Consumers appreciate our products, which has also been proven by numerous awards. We value many years of co-operation with the local government of the City of Lublin.

Eugeniusz Wójcik  
President of the Management Board