



REPUBLIC OF CROATIA



CROATIAN BUREAU OF STATISTICS

**QUALITY REPORT FOR STATISTICAL SURVEY**  
**Activities of dairies/the Central Laboratory for Milk Quality Control**  
**For 2018**

Organisational unit: Animal Production, Forestry and Fisheries Statistics Unit  
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## 0. Basic information

- Purpose, goal, and subject of the survey

The survey on dairy statistics is aimed at collecting data on the quantity of cows', ewes' and goats' milk collected, milk fat and protein contents, the production of dairy products and the foreign dairies' trade in milk and dairy products.

The monthly survey collects monthly data on the collection and processing of cows' milk, milk fat and protein contents and realised products, while the annual survey collects data on totals of collected cows', ewes' and goats' milk, realised products and milk fat and protein contents at the annual level.

- Reference period

Calendar year.

- Legal acts and other agreements

96/16/EC: Council Directive on statistical surveys of milk and milk products (OJ L 78, 28 March 1996, pp. 27 – 29)

97/80/EC: Commission Decision of 18 December 1996 laying down provisions on the implementation of the Council Directive 96/16/EC on statistical surveys of milk and milk products (OJ L 24, 25 January 1997, pp. 26 – 49),

98/582/EC: Council Decision of 6 October 1998 amending Commission Decision 97/80/EC laying down provisions on the implementation of the Council Directive 96/16/EC on statistical surveys of milk and milk products (OJ L 281, 17 October 1998, pp. 36 – 38),

2005/288/EC: Commission Decision of 18 March 2005 amending Decision 97/80/EC laying down provisions on the implementation of the Council Directive 96/16/EC on statistical surveys of milk and milk products (notified under document number C (2005) 754). Text with EEA relevance (OJ L 88, 7 April 2005, pp. 10 – 20),

2011/142/EC: Commission Decision of 3 March 2011 amending Decision 97/80/EC laying down provisions on the implementation of the Council Directive 96/16/EC on statistical surveys of milk and milk products. Text with EEA relevance (OJ L 59, 4 March 2011, pp. 66 – 70),

Regulation (EC) No 451/2008 of the European Parliament and of the Council of 23 April 2008 establishing a new statistical classification of products by activity (CPA) and repealing Council Regulation (EEC) No 3696/93,

Methodological Basis for Gathering Data on Milk and Dairy Products Statistics (OG, No. 42/13).

Official Statistics Act (OG, Nos 103/03, 75/09, 59/12 and 12/13).

- Classification system

National Classification of Activities 2007

Classification of Products by Activity in the European Economic Community, Version 2008

- Concepts and definitions

Drinking milk comprises raw milk, whole milk, skimmed milk, semi-skimmed milk and skimmed milk containing no additives.

Raw milk comprises milk which has not been heated beyond 40°C or undergone any treatment that has an equivalent effect.

Whole milk comprises milk with fat content  $\geq 3.5\%$ , subject to heat treatment.

Semi-skimmed milk comprises milk with fat content  $1.5\% - 2.8\%$ , subject to one heat treatment.

Skimmed milk comprises milk with fat content  $< 1.5\%$ , subject to one heat treatment.

Pasteurised milk – milk treated with high temperature (at least  $72^{\circ}\text{C}$  for 15 seconds).

Sterilised milk – milk treated with high temperature ( $120^{\circ}\text{C}$  for 30minutes) in hermetically sealed containers.

Uperized milk – milk treated with high temperature ( $135^{\circ}\text{C}$  for not less than one second).

Buttermilk is residual product of the processing of milk or cream into butter.

Cream comprises cream for direct consumption, containing more or less than 29% of milk fat.

Fermented products include yoghurts, drinkable yoghurts, acidified milk and other fermented products either with or without additives.

Drinks with a milk base comprise products containing at least 50% milk equivalent (chocolate milk, buttermilk with additives, etc.).

Other fresh products comprise fresh milk products not elsewhere specified (mainly milk-based desserts).

Concentrated milk comprises milk obtained by partial elimination of water from whole milk, semi-skimmed or skimmed milk.

Powdered dairy products comprise products obtained by eliminating water from cream, all kinds of milk, buttermilk and fermented products.

Butter includes traditional butter, melted butter, butter oil and similar products containing more than 80% of milk fat.

Other yellow fat products comprise products based on butter with milk fat content of less than 80%.

Cheese includes fresh or matured, solid or semi-solid products, obtained by coagulating milk, cream, buttermilk or other products.

Processed cheese comprises products obtained by grinding, mixing, melting and emulsifying one or more varieties of cheese, with or without additives.

Whey includes liquid whey and powdered whey in liquid equivalent. It is a by-product obtained during the manufacture of cheese or casein.

- Statistical units

Dairies.

- Statistical population

Industrial and small dairies classified according to the NKD 2007. in section C Manufacturing, class 10.51 Operation of dairies and cheese making are included.

## 1. Relevance

### 1.1. Data users

Agricultural institutes, the Faculty of Agriculture, the Ministry of Agriculture, the Government of the Republic of Croatia.

### 1.1.1 User needs

Users are mostly state bodies which use data in creating economic policies and planning of sources in the state budget.

### 1.1.2 User satisfaction

A user satisfaction survey was conducted in 2013 and 2015. Results are available on request.

## 1.2. Completeness

Data are submitted entirely in line with valid regulations of the European Commission.

### 1.2.1 Data completeness rate

Indicator for this survey is not applicable.

## 2. Accuracy and reliability

### 2.1. Sampling error

Not applicable.

#### 2.1.1 Sampling error indicators

Indicator for this survey is not applicable.

#### 2.1.2 Bias due to sample selection process

Indicator for this survey is not applicable.

### 2.2. Non-sampling error

Not applicable.

#### 2.2.1 Coverage error

Not applicable.

#### 2.2.2 Over-coverage rate

Indicator for this survey is not applicable.

#### 2.2.3 Measurement errors

Errors that occur by entering an incorrect measurement unit (tonne, kilogram).

#### 2.2.4 Non-response errors

Not applicable.

#### 2.2.5 Unit non-response rate

Indicator for this survey is not applicable.

#### 2.2.6 Item non-response-rate

Indicator for this survey is not applicable.

#### 2.2.7 Processing errors

Errors that occur by entering an incorrect measurement unit (tonne, kilogram).

#### 2.2.8 Imputation rate

Indicator for this survey is not applicable.

#### 2.2.9 Editing rate

Indicator for this survey is not applicable.

#### 2.2.10 Hit rate

Indicator for this survey is not applicable.

#### 2.2.11 Model assumption error

Not applicable.

### **2.3. Data revision**

#### 2.3.1 Data revision – policy

The users of statistical data are informed about revisions (provisional, final data) on the website of the Croatian Bureau of Statistics.

#### 2.3.2 Data revision – practice

Provisional figures are not published in this survey and therefore regular revisions are not planned.

#### 2.3.3 Data revision – average size

Indicator for this survey is not applicable.

### **2.4. Seasonal adjustment**

Not applicable.

## **3. Timeliness and Punctuality**

### **3.1. Timeliness**

#### 3.1.1 Time lag – first results

Indicator for this survey is not applicable.

#### 3.1.2 Time lag – final results:

Time lag for final results is: T + 6 months

### **3.2. Punctuality**

#### **3.2.1 Punctuality – delivery and publication**

Punctuality is: 100 days.

## **4. Accessibility and clarity**

Data are disseminated electronically on the web site and in print on first releases.

### **4.1. News release**

Regular releases: First Release No. 1.1.25. Production of Milk and Dairy Products.

### **4.2. Other publications**

Not published.

### **4.3. Online database**

PC Axis database for agriculture.

### **4.4. Micro-data access**

The conditions under which certain users can access microdata are regulated by the Ordinance on the Conditions and Terms of Using Confidential Data for Scientific Purposes.

### **4.5. Documentation on methodology**

Methodological Basis for Gathering Data on Milk and Dairy Products Statistics (OG, No. 42/13)

## **5. Comparability**

### **5.1. Asymmetry for mirror flows statistics**

Not applicable.

### **5.2. Comparability over time**

#### **5.2.1 Length of comparable time series**

Length of comparable time series is: 19

#### **5.2.2 Reasons for break in time series**

Not applicable.

## **6. Coherence**

### **6.1. Coherence – short-term and structural data**

Indicator for this survey is not applicable.

### **6.2. Coherence – national accounts**

Indicator for this survey is not applicable.

### **6.3. Coherence – administrative sources**

Indicator for this survey is not applicable.

## **7. Cost and burden**

### **7.1. Cost**

Not applicable.

### **7.2. Burden**

Not applicable.