



~ Methodology ~

PRODUCTION AND USE OF MILK ON FARMS

LEGAL BASIS

Data on production and use of milk on farms in Republika Srpska are provided through the “Annual Farm Survey – Livestock Production”, a survey implemented in accordance with the following

- Work Plan of the Republika Srpska Institute of Statistics for 2022,
- Statistical Programme of Republika Srpska for the period 2022-2025 (“Official Gazette of Republika Srpska”, No 102/21),
- Law on Statistics of Republika Srpska (“Official Gazette of Republika Srpska”, No 85/03), and
- Council Directive 96/16/EC on statistical surveys of milk and milk products.

METHODOLOGICAL BASIS

AIM AND CONTENT

The main aim of this statistical activity is to provide data on production and use of milk of all types (cows’ milk, ewes’ milk and goats’ milk) on farms. The data obtained through the survey represent the basis for monitoring the situation in the dairy sector, as one of the most important sectors in agriculture and food industry.

Data on production and use of milk on farms during the reference period (from 1 December 2021 to 30 November 2022) were obtained through the “Annual Farm Survey – Livestock Production” (GIPG-S).

The survey has been conducted since 2017, in accordance with Eurostat’s recommendations and standards and it has fully replaced the previous methodology of collecting data on livestock production of family farms, which was based on estimates made by municipal officials.

OBSERVATION UNITS

Observation units are farms (family farms and farms owned by legal entities and entrepreneurs) engaged in livestock breeding.

COVERAGE

The survey was carried out based on a random representative sample covering 3.6% of family farms located in the territory of Republika Srpska, which are engaged in livestock breeding.

The “Register of Farms”, established on the basis of the results of the Census of Population 2013, was used as the sample frame. The Register is updated regularly, using available administrative and non-administrative data.

In addition to the farms selected into the sample, the survey also covered all farms owned by legal entities and entrepreneurs that belong to the pre-defined target population.

Upon extrapolation, the data collected through the survey serve as the basis for monitoring livestock statistics in Republika Srpska.

METHOD AND PERIOD OF DATA COLLECTION

In the “Annual Farm Survey – Livestock Production”, the data for 2022 were collected through interviews with farm household members, using the CATI method (Computer-Assisted Telephone Interviewing). The survey is conducted annually and it was implemented between 1 and 15 December, based on a random representative sample of farms. The data on the production and use of milk on farms by individual types of milk refer to the period from 1 December 2021 to 30 November 2022.

PROTECTION OF CONFIDENTIAL DATA

Only aggregate data on total production and use of milk for the level of Republika Srpska are published, based on the survey results. Confidential data are protected pursuant to Articles 25 and 27 of the Law on Statistics of Republika Srpska (“Official Gazette of Republika Srpska”, No 85/03) and in accordance with the Rules of protection of confidential data.

DEFINITIONS OF MAIN FEATURES – INDICATORS

Total milk production is the quantity of raw cow’s milk, goat’s milk and ewe’s milk produced during the observation period (from 1 December 2021 to 30 November 2022) on farms in Republika Srpska.

Raw milk is the natural secretory product of the mammary glands of cows, goats and ewes from breeding, obtained through one or more milkings, to which nothing was added and from which nothing was taken away.

Milk delivered to dairies and purchasers includes quantities of milk (in tonnes) produced on farms during the reference period and sold to dairies, cooperatives or other registered milk purchasers.

Consumable milk for home consumption includes quantities of milk (in tonnes) produced on farms during the reference period and spent for human consumption on the farm (as consumable milk). Milk processed into dairy products is not included.

Milk for direct sales includes quantities of milk (in tonnes) produced on farms during the reference period and sold by farms directly on the market (on the farm itself, in markets, at fairs or other events) or used for the purpose of rural tourism as a beverage. Quantities of milk that are given away, donated or given as compensation for the work done on the farm are also included.

Production of dairy products (in milk equivalents) includes quantities of milk (in tonnes) produced on farms during the reference period and processed on the farm into dairy products (cheese, kaymak, cream, yoghurt, soured milk, butter, etc.). Only the quantities of milk which were processed into finished dairy products are included.

Milk for feed includes quantities of milk (in tonnes) produced on farms during the reference period and used as animal feed. Only the quantities of milk that were milked and used as animal feed, including colostrum, are included. Milk sucked by the offspring is not included.

Losses represent quantities of milk (in tonnes) produced on farms during the reference period, which, for any reason, were not used during the reference period (eg spoilage of milk during processing, milk spilled due to malfunction or other reason, etc.).

LEVEL OF DATA REPRESENTATIVENESS

Data on production and use of milk of all types obtained through the survey are representative for the level of Republika Srpska.

COMPLIANCE WITH INTERNATIONAL RECOMMENDATIONS AND STANDARDS

“Annual Farm Survey” fully complies with Council Directive 1996/16/EC on statistical surveys of milk and milk products. Thus, the data obtained through the survey are internationally comparable.

IMPLEMENTATION ORGANISATION

AUTHORITIES IMPLEMENTING THE STATISTICAL ACTIVITY

Responsible producer of data on production and use of milk on farms is the Republika Srpska Institute of Statistics.

Farms from the sample are surveyed by the operators through computer-assisted telephone interviewing (CATI method); this process is centralized, being carried out at the Republika Srpska Institute of Statistics in Banja Luka. The operators have to attend the training and, in the fieldwork, they must act in accordance with the Instruction for survey implementation and the instructions given during the training. The interviewing and controlled data entry last 15 days. Final control of the material, weighting, formation of output tables with assessment of features and publishing are performed at the Republika Srpska Institute of Statistics in Banja Luka.

OBLIGATION TO PROVIDE DATA

Reporting units (farms) must submit data to the Republika Srpska Institute of Statistics pursuant to the Law on Statistics.

METHODOLOGICAL DOCUMENTS

QUESTIONNAIRE

Questionnaires for family farms (GIPG-PPG/S) and questionnaires for farms owned by legal entities and entrepreneurs (GIPG-PL/S) are used for the implementation of the “Annual Farm Survey – Livestock Production”. These questionnaires are available at the Institute’s official [website](#).

METHODOLOGICAL INSTRUCTIONS

Methodological instructions for the “Annual Farm Survey – Livestock Production” implementation for 2022 are available at the Institute’s official website, on the page [Methodology](#).

PUBLISHING

Preliminary data on production and use of milk on farms are published on 30 March of the current year, in the regular statistical release “[Production and use of milk on farms](#)”. The release provides data on production and use of all types of milk (cows’ milk, ewes’ milk, goats’ milk) on farms.

Final and detailed data on annual production and use of milk on farms are published on 15 October of the current year in the [database](#) available at the website of the Republika Srpska Institute of Statistics, as well as in the publication “Statistical Yearbook” and the special release “World Milk Day”, published at the Institute’s website .

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