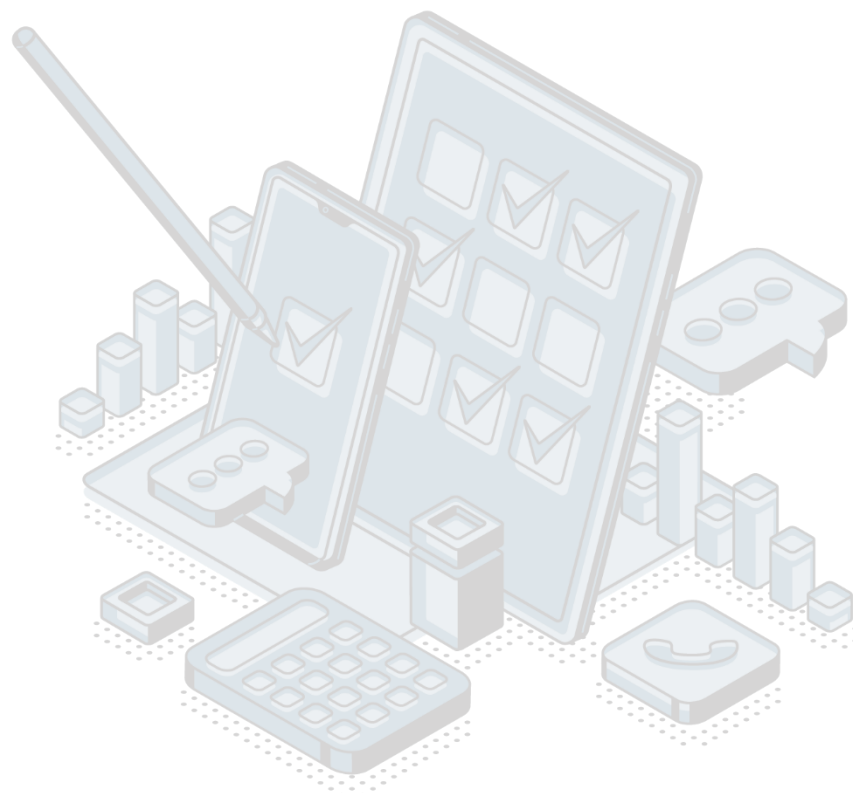


## QUALITY REPORT

# Survey on turnover of pesticide -Pesticide sales 2024



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## 1. Introduction – Basic information about the survey

### 1.1 Purpose, goal and subject of the survey

The purpose of this survey is to collect the data on the quantity of pesticides placed on the market. The data set comprises the annual sales of active substances contained in plant protection products placed on the market from 2017 onwards, according to Regulation (EC) No 1185/2009 as amended by Commission Regulation (EU) 2021/2010 of 17 November 2021 as regards the list of active substances. STATISTICAL OFFICE OF MONTENEGRO disseminates the highest aggregation level, also called major groups in the Harmonised classification of substances. They are the following: F - Fungicides and bactericides; H - Herbicides, haulm destructors and moss killers; I - Insecticides and acaricides; M - Molluscicides; PGR - Plant growth regulators; and ZR - Other plant protection products. Data extracted on this level will give the user the best representation of total pesticide sales.

### 1.2 Legal basics

The Law on Official Statistics and Official Statistical System (Official Gazette of Montenegro No 018/12 and 047/19) defines provisions for collection, processing and dissemination of data. The Law provides to the Statistical Office legal powers to collect and access the data necessary for the implementation of Programme and Annual Plan. The Law gives a priority to the use of administrative data and right of access to individual data that are a result of survey of other official statistical producers. <https://www.Statistical Office of Montenegro.org/cg/page.php?id=4&pageid=4> As an annex to legal provisions, Statistical Office has signed several memoranda on cooperation with administrative data providers. (with the Ministry of Agriculture, Forestry and Water Management in June 2013).

Regulation (EC) No 1185/2009 of the European Parliament and of the Council of 25 November 2009 concerning statistics on pesticides as amended by Commission Regulation (EU) 2021/2010 of 17 November 2021 as regards the list of active substances.

### 1.3 Statistical units

Active substances. The source of data are the administrative source (Directorate for Food safety, Veterinary and Phytosanitary Affairs) and they provide data to the STATISTICAL OFFICE OF MONTENEGRO (Active substance in pesticides sold in wholesale in Montenegro). The directorate for Food safety, Veterinary and Phytosanitary Affairs provides data at the level of business entrepreneurs or other legal entity (subjects registered for import, i.e. wholesale trade in Plant Protection Products, which are required to keep records of purchased and sold Plant Protection Products, in accordance with the Law on Plant Protection Products). STATISTICAL OFFICE OF MONTENEGRO calculates the active substance.

### 1.4 Coverage and scope of survey

#### 1.4.1 Sectors

The statistics cover active substances in plant protection products placed on the market in the Montenegro. All active substances in pesticides sold in wholesale in Montenegro. The statistics cover the wholesale trade sector operating in placing plant protection products on the market. All subjects registered for import, i.e. wholesale trade in Plant Protection Products, which are required to keep records of purchased and sold Plant Protection Products in accordance with the Law on Plant Protection Products.

### 1.4.2 Statistical population

Plant protection products. All active substance which contained in pesticides or plant protection products on the market in Montenegro. All subjects registered for import, i.e. wholesale trade in Plant Protection Products, which are required to keep records of purchased and sold Plant Protection Products in accordance with the Law on Plant Protection Products.

### 1.5 Referent geographical area

Montenegro. The data for pesticides sales collect for the national level.

### 1.6 Concepts and definitions

The active substances is a substance which including micro-organisms having general or specific action against harmful organisms or on plants, parts of plants or plant products. Fungicides are products for the repression of fungi provoking vegetal diseases, including bactericides for extermination of microbes. Herbicides are products for the repression of weeds or undesirable plants in general. Insecticides are products for the repression of insects, including acaricides for the extermination of mites. Other pesticides are products for other purposes, including molluscicides for the repression of snails, plant growth regulators, mineral and vegetal oils, soil sterilant, rodenticides for the repression of rodents, disinfectants and other plant protection products.

### 1.7 Classifications

The classification of the active substances in plant protection products is annexed (Annex III) to Commission Regulation (EU) 2021/2010 of 17 November 2021 amending Regulation (EC) No 1185/2009 of the European Parliament and of the Council concerning statistics on pesticides. The active substances are classified according to chemical and functional similarity. Aggregation levels in descending order comprise: major groups, categories of products, chemical classes and active substances. The geographical classification for country codes (ISO 3166) is applied.

### 1.8 Frequency of data collection

The periodicity of data collection is annual.

### 1.9 Frequency of data dissemination

The data is published once a year and has been available on the Montenegrin Statistical office website since December 30. The survey on pesticides sale is included for the first time as a regular survey for 2022 in the Annual Plan of Official Statistics (Official Gazette of Montenegro No 2/2022 of January 12, 2022) <https://www.Statistical Office of Montenegro.org/cg/page.php?id=9&pageid=9> . The Statistical Office published the final data for the data series for the period 2017-2022, which were previously submitted to Eurostat as preliminary and protected. Data for 2024 were submitted to Eurostat in December 2025.

### 1.10 Methodology

The methodology for this research can be found on our website at the following link: <https://www.Statistical Office of Montenegro.org/uploads/files/poljoprivreda/pesticidi/Metodolo%C5%A1ko%20uputstvo-Promet%20pesticida.pdf>. Additional methodological explanations can be found in the Statistical Yearbook. <http://www.Statistical Office of Montenegro.org/cg/novosti.php?id=3905> .

### 1.11 Base period

Not applicable.

### 1.12 Unit of measure

Kilograms of active substances.

### 1.13 Source of data

Administrative data.

### 1.14 Method of collection data

Administrative data. The directorate for Food safety, Veterinary and Phytosanitary Affairs provides data from subjects registered for import, i.e. wholesale trade in Plant Protection Products, which are required to keep records of purchased and sold Plant Protection Products, in accordance with the Law on Plant Protection Products). STATISTICAL OFFICE OF MONTENEGRO calculates the active substance.

## 2. Relevance - data users

### 2.1 User needs

International users :

- Eurostat;
- FAO.

National users:

- Ministries and other public administration bodies;
- Local government and other local government bodies;
- Non-governmental organizations;
- Students;
- Researchers;
- Media

Pesticide sales statistics are also used to measure progress towards achieving the pesticide reduction targets under the Farm to Fork Strategy and Biodiversity Strategy.

### 2.2 User satisfaction

Internal users are generally satisfied with the quality of the data. No external user satisfaction feedback. The Statistical Office has adopted the Quality Management Strategy, the Guidebook to the Implementation of the Quality Management Strategy, as well as the Plan for the Implementation of the Quality Policy. In order to measure the degree to which fulfils obligations towards users and within the new quality policy, the Statistical Office conducted User satisfaction survey.

The results of the survey are available on the Statistical Office website, link: [http://Statistical Office of Montenegro.org/uploads/files/2.%20Izvjestaj%20o%20zadovoljstvu%20korisnika%20ENG%20\(Autosaved\).pdf](http://Statistical Office of Montenegro.org/uploads/files/2.%20Izvjestaj%20o%20zadovoljstvu%20korisnika%20ENG%20(Autosaved).pdf) .

### 3. Accuracy and reliability

#### 3.1 Accuracy - overall

The degree of accuracy is expected to be high. Exact value is guaranteed by the obligation to report any sale in the country to the directorate for Food safety, Veterinary and Phytosanitary Affairs. Published data are final.

#### *Non response rate*

Not relevant.

#### 3.2 Error processing the data

Possible entry and calculation errors are controlled and corrected through the LK.

#### *Imputation rate*

No imputation. Imputation is not carried out because all entities registered for import, i.e. wholesale trade in plant protection products are included.

#### 3.3 Data revision

##### 3.3.1 Data revision policy

In April 2023, the Statistical office of Montenegro- Statistical Office of Montenegro published the final data for the series of data for the period 2016-2020, which were previously submitted to Eurostat as preliminary and protected. The survey on pesticides sales was included for the first time as a regular for the year 2022 in the Annual Plan of Official Statistics ("Official Gazette of Montenegro", No. 2/2022 of 12.01.2022"), when data were published for the first time on Statistical Office of Montenegro website for 2021. Since then survey does not disseminate preliminary results and that's the reason why the regular data revision does not exist

##### 3.3.2 Data revision practice

STATISTICAL OFFICE OF MONTENEGRO has on internal revision policy. <https://www.Statistical Office of Montenegro.org/cg/page.php?id=1493&pageid=1493> .

##### 3.3.3 Data revision - average size (A6)

Not applicable.

### 4. Timeliness and punctuality

#### 4.1 Timeliness

According to the Regulation (EC) No 1185/2009, the data is published by Eurostat 15 months after the end of the reference year and the national quality report 20 months after the end of the reference year.

#### *Time lag of the first results*

Not applicable for pesticide sales statistics as the data and national quality reports are only published once in a final result.

### *Time lag of the final results*

15 months after the end of the reference period for the data; 20 months after the end of the reference period for the national quality report. The transmission deadline (30 December of the year t+1 for data transmission; 31 March of the year t+2 for national quality reports transmission).

## **4.2 Punctuality**

According to the Regulation (EC) No 1185/2009, data must be transmitted until 30 December of the year t+1, and national quality reports until 31 March of the year t+2. Everything was published on time. There is no time lag between the actual data submission and the target date. All data are published in accordance with the scheduled publication date.

## **5. Availability and clarity**

### **5.1 Statistical Release Calendar**

Final data are published annually as soon as it is processed and validated by Eurostat. Target date is end of March. The Statistical Release Calendar is the schedule of publishing the results of official statistics during one year. It is prepared by the Statistical Office in cooperation with the other producers of official statistics in accordance with Article 50 of the Law on Official Statistics and the Official Statistics System ("Official Gazette of Montenegro", No. 018/12 and 047/19).

It is published on the website of the Statistical Office.

### **5.2 Access the data Release Calendar**

The Statistical Release Calendar is available on the following link: <https://www.Statistical Office of Montenegro.org/cg/page.php?id=12&pageid=12> .

### **5.3 Releases**

Data are published according to a Statistical Release Calendar and are available at the same time to all users on the official website on STATISTICAL OFFICE OF MONTENEGRO. The data is not published through a press release, but only through the Excel table on the official website. Also, the data are available in the Statistical Yearbook of the Statistical Office of Montenegro.

### **5.4 Publication**

All publications published by the Statistical Office are available at the following link: <https://www.Statistical Office of Montenegro.org/cg/publikacije.php?id=100> .

### **5.5 On-line database**

<https://www.Statistical Office of Montenegro.org/cg/page.php?id=2063&pageid=2063> .

## 5.6 Access to micro data

The Law on Official Statistics and Official Statistical System (Official Gazette of Montenegro No 018/12 and 047/19), Article 58. regulates rules under which external users can obtain an access to individual data for needs of research. No micro-data is disseminated.

## 5.7 Metadata occupancy

Not applicable.

# 6. Comparability

## 6.1 Spatial comparability

Montenegro is on all three levels (NUTS). The data are collected and published on country level (NUTS 0). The data are comparable with other countries in the region and the EU because the questionnaire is harmonized. Geographical comparability is very good due to the Harmonised classification of substances in Annex III of Regulation (EC) No 1185/2009.

## 6.2 Time comparability

Data from the pesticides sales are fully comparable over time and are available from 2017 to 2023 on the STATISTICAL OFFICE OF MONTENEGRO website in the Data section, link: <https://www.Statistical Office of Montenegro.org/cg/page.php?id=2063&pageid=59> .

### *Time comparability indicator*

Not applicable.