



REPUBLIC OF CROATIA
CROATIAN BUREAU OF STATISTICS



QUALITY REPORT FOR STATISTICAL SURVEY

Pesticide sales for 2023

Organisational unit: Croatian Bureau of Statistics, Spatial Statistics Department

Prepared by: Predrag Cvjetićanin and Nataša Miljan

July 2024

0. Basic information

- Purpose and subject of the survey

The survey presents the amount of sold active substances for fungicides, herbicides, insecticides and other pesticides at the level of chemical classes.

- Reference period

Calendar year

- Legal acts and other agreements

[Act on the Sustainable Use of Pesticides \(nn.hr\)](#)

[Directive 2009/128/EC of the European Parliament and of the Council of 21 October 2009 establishing a framework for Community action to achieve the sustainable use of pesticides. Text with EEA relevance \(europa.eu\)](#)

[Regulation on the Conditions of Distribution and Sale of Pesticides \(nn.hr\)](#)

[Commission Regulation \(EU\) No 656/2011 of 7 July 2011 implementing Regulation \(EC\) No 1185/2009 of the European Parliament and of the Council concerning statistics on pesticides, as regards definitions and list of active substances. Text with EEA relevance \(europa.eu\)](#)

- Classification system

National Classification of Activities 2007

Classification of Products by Activities of the Republic of Croatia, 2008 version

[Decision on the National Classification of Activities 2007 – NKD 2007 \(nn.hr\)](#)

- Statistical concepts and definitions

Active substances means chemical elements and their compounds as they occur naturally or by manufacture, having general or specific action against harmful organisms or on plants, parts of plants or plant products. Fungicides are products for the extermination of fungi provoking vegetal diseases, including bactericides for extermination of microbes. Herbicides are products for the extermination of weeds or undesirable plants in general. Insecticides are products for the extermination of insects, including acaricides for the extermination of mites. Other pesticides include molluscicides for the extermination of snails, plant growth regulators, vegetal oils, soil sterilants, rodenticides for the extermination of rodents and other plant protection products.

- Statistical units

National needs and Eurostat

- Statistical population

Data are taken over from the Ministry of Agriculture.

All specialized retail stores that have a licence to sell pesticides are covered.

1. Relevance

1.1. Data users

External users: Eurostat and FAO

1.1.1. User needs

Eurostat and FAO

1.1.2. User satisfaction

The first user satisfaction survey of the Croatian Bureau of Statistics was conducted in 2013, the second one in 2015, and the last one at the end of 2022. The survey results are available on the website of the Croatian Bureau of Statistics – [Croatian Bureau of Statistics – User satisfaction surveys \(gov.hr\)](#)

1.2. Completeness

100%

1.2.1. Data completeness rate

Data completeness rate is 100%.

2. Accuracy and reliability

2.1. Sampling error

The indicator is not applicable.

2.1.1. Sampling error indicators

The indicator is not applicable.

2.2. Non-sampling error

The indicator is not applicable.

2.2.1. Coverage error

All retail stores that are required to report the quantities of pesticides sold under the [Act on the Sustainable Use of Pesticides \(nn.hr\)](#) are covered.

2.2.2. Over-coverage rate

The indicator is not applicable.

2.2.3. Measurement errors

The totals are checked against the sum of the individual categories of active substances.

2.2.4. Non-response errors

There are no non-response errors.

2.2.5. Unit non-response rate

The indicator is not applicable.

2.2.6. Item non-response rate

The indicator is not applicable.

2.2.7. Processing errors

Possible processing errors are controlled by comparison with previous periods and by comparing data with available administrative sources.

2.2.8. Imputation rate

The indicator is not applicable.

2.2.9. Model assumption error

The indicator is not applicable.

2.3. Data revision

2.3.1. Data revision – policy

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

2.3.2. Data revision – practice

Provisional data are not published in this survey and, therefore, there are no data revisions.

2.3.3. Data revision – average size

The indicator is not applicable.

2.4. Seasonal adjustment

Not applicable.

3. Timeliness and punctuality

3.1. Timeliness

The timeliness of final results is T + 12, the last reference day being 31 December 2022.

3.1.1. Timeliness – first results

The indicator is not applicable.

3.1.2. Timeliness – final results

The timeliness of final results is T + 12, the last reference day being 31 December 2022.

3.2. Punctuality

There is no time lag.

3.2.1. Punctuality – delivery and publication

Punctuality is 100%.

4. Accessibility and clarity

[PX-Web – information \(dzs.hr\)](http://dzs.hr)

4.1. News release

Not published.

4.2. Online database

[PX-Web – information \(dzs.hr\)](http://dzs.hr)

4.3. Micro-data access

The conditions under which certain users can access microdata are regulated by the Ordinance on Conditions and Terms of Access and Use of Confidential Statistical Data of the Croatian Bureau of Statistics for Scientific Purposes (NN, No. 5/23).

4.4. Documentation on methodology

[CROATIAN BUREAU OF STATISTICS – REPUBLIC OF CROATIA \(dzs.hr\)](http://dzs.hr)

5. Coherence and comparability

5.1. Asymmetry for mirror flows statistics

Not applicable.

5.2. Comparability over time

Annual data are available and comparable since 2013.

5.2.1. Length of comparable time series

The indicator is not applicable.

5.2.2. Reasons for break in time series

There were no breaks in the series.

5.3. Coherence – short-term and structural data

The indicator is not applicable.

5.4. Coherence – national accounts

The indicator is not applicable.

5.5. Coherence – administrative sources

Coherence with data from administrative sources is: Statistic	Domain	Domain value	Comment	Value
				1

6. Cost and burden

6.1. Cost

There are no costs due to the administrative nature of the data.

6.2. Burden

The indicator is not applicable.