

QUALITY REPORT FOR STATISTICAL SURVEY

Balance sheet of Nutrients for 2023

Organisation unit: Croatian Bureau of Statistics / Spatial Statistics Directorate
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0. Basic information

- Purpose, goal, and subject of the survey

The data present nitrogen and phosphorus inputs and outputs on utilised agricultural area, nitrogen and phosphorus gross surplus, nitrogen emissions into the air and nitrogen net surplus.

- Reference period

Calendar year

- Legal acts and other agreements

Act on Fertilizers and Soil Improvers (NN, br. 163/03, 40/07, 81/13, 14/14 and 32/19), Ordinance on Mineral Fertilizers (NN, br. 60/07)

- Classification system

National Classification of Activities 2007, Statistical Classification of Products by Activity in Republic of Croatia 2015.

- Statistical concepts and definitions

Nitrogen inputs comprise nitrogen in all forms entered into the soil with seeds and planting materials, fertilisers, biological fixation, atmospheric deposition and crop residues. Nitrogen outputs comprise nitrogen in all forms extracted from the soil in harvested crops, in harvested or grazed fodder and in crop residues removed from the field. Gross surplus (nitrogen) is nitrogen inputs less nitrogen outputs. The surplus of nitrogen in the soil represents the negative influence of agriculture on the environment. N emissions are the quantity of nitrogen emitted into the air as a result of agricultural activity. Net surplus is gross surplus reduced by the N emissions into the air. It represents the remaining nitrogen in the soil and the part of nitrogen that can potentially be leached and contaminate the water. Phosphorus inputs comprise phosphorus in all forms entered into the soil with seeds and planting materials, fertilisers and crop residues. Phosphorus outputs comprise phosphorus in all forms extracted from the soil in harvested crops, in harvested or grazed fodder and in crop residues removed from the field. Gross surplus (phosphorus) is phosphorus inputs less phosphorus outputs. The surplus of phosphorus in the soil presents a negative influence of agriculture on the environment.

- Statistical units

National needs and Eurostat.

- Statistical population

Data are taken over from the Ministry of Economy and Sustainable Development to calculate the nitrogen and phosphorus balance.

1. Relevance

1.1 Data users

External users: Eurostat

1.1.1 User needs

Eurostat (EC-DG AGRI).

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 can be checked on the website of the Croatian Bureau of Statistics <https://dzs.gov.hr/highlighted-themes/quality/user-satisfactionsurveys/686>.

1.2. Completeness

100%

1.2.1 Data completeness rate

The data completeness rate is 100%.

2. Accuracy and reliability

2.1. Sampling error

Not requested.

2.1.1 Sampling error indicators

Indicator for this survey is not applicable.

2.2. Non-sampling error

Not requested.

2.2.1. Coverage error

Not requested.

2.2.2. Over-coverage rate

Indicator for this survey is not applicable.

2.2.3. Measurement error

Not requested.

2.2.4. Non-response error

Not requested.

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 error

Not requested.

2.2.8. Imputation rate

Indicator for this survey is not applicable.

2.2.9. Model assumption error

Not requested.

2.3. Data revision

2.3.1. Data revision – policy

The users of statistical data are informed about revisions on the website of the Croatian Bureau of Statistics, on the link - [General Revision Policy of the CBS](#).

2.3.2. Data revision – practice

Survey does not disseminate preliminary results and that's the reason why the regular data revision does not exist

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

The timeliness of final results is T+24, the last reference day is 30 June 2023.

3.1.1. Timeliness – first results

Indicator for this survey is not applicable.

3.1.2. Timelines – final results

The timeliness of final results is T + 24, the last reference day is 30 June 2023.

3.2. Punctuality

There is no time lag.

3.2.1. Punctuality – delivery and publication

Delivery and publication is 100%.

4. Accessibility and clarity

[PC-Axis database](#)

4.1. News release

Not published.

4.2. Online database

[PC-Axis database](#)

4.3. Microdata access

Conditions under which certain users can have access to 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

[PC-Axis database](#)

5. Coherence and comparability

5.1. Asymmetry for mirror flows statistics

Not applicable.

5.2. Comparability - over time

Yearly data are available and comparable since 2010.

5.2.1. Length of comparable time series

Indicator for this survey is not applicable.

5.2.2. Reasons for break in time series

There was no break in series.

5.3. Coherence – subannual and annual statistics

Indicator for this survey is not applicable.

5.4. Coherence – national accounts

Indicator for this survey is not applicable.

5.5. Coherence – administrative sources

Coherence with data from administrative sources is: Statistic	Domain	Domain value	Value
	Republic of Croatia	Republic of Croatia	1

6. Cost and burden

6.1. Cost

Not applicable.

6.2. Burden

Administrative source.