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Statistical survey on producer prices of agricultural products

P\_ZE.C.A\_M\_12\_2024\_EN

### Reference Metadata in SIMS 2.0 structure

#### S.1 Contact

State Statistical Office

##### S.1.1 Contact organisation

State Statistical Office

##### S.1.2 Contact organisation unit

Department for price.

##### S.1.3 Contact name

Violeta Milanova

##### S.1.4 Contact person function

Adviser

##### S.1.5 Contact mail address

## Reference Metadata in SIMS 2.0 structure

Dame Gruev 4, 1000 Skopje, Republic of North Macedonia

**S.1.6 Contact email address**

violeta.deleva@stat.gov.mk

**S.1.7 Contact phone number**

00389 34 349 646

**S.1.8 Contact fax number**

00 389 2 3111 336

**S.2 Metadata update****S.2.1 Metadata last certified**

12/06/2025

**S.2.2 Metadata last posted**

12/06/2025

**S.2.3 Metadata last update**

12/06/2025

**S.3 Statistical presentation****S.3.1 Data description**

Output price indices of producers of agricultural products (purchased, sold).

**S.3.2 Classification system**

- National Classification of Activities: NKD Rev.2;
- Nomenclature of agricultural products, forestry, hunting and fishing and related services (NZSRU);

**S.3.3 Sector coverage**

Section A - Agriculture, forestry and fishing;

Division 01 - Crop and animal production, hunting and related service activities.

**S.3.4 Statistical concepts and definitions**

## Reference Metadata in SIMS 2.0 structure

Prices of producers of agricultural products on the 15th of the month. The prices are without excise taxes, VAT and subsidies.

**S.3.5 Statistical unit****Reporting units:**

Business entities which belong to Section G Wholesale and retail trade; repair of motor vehicles and motorcycles (Divisions 46 and 47).

**Observation units:**

Each agricultural product according to the "Nomenclature of agricultural products, forestry, hunting and fishing and related services", produced and sold (and bought) by enterprises.

**S.3.6 Statistical population**

Agricultural products according to the "Nomenclature of agricultural products, forestry, hunting and fishing and related services" belonging to Section A (Division 01) of NKD Rev. 2, produced and sold (and bought) by enterprises.

**S.3.7 Reference area**

NTES 1 and 2 (Republic of North Macedonia)

**S.3.8 Time coverage**

Since January 2005

**S.3.9 Base period**

2020=100

**S.4 Unit of measure**

Index

**S.5 Reference period**

Month.

**S.6 Institutional mandate****S.6.1 Legal acts and other agreements**

National legislation:

Law on State Statistics ("Official Gazette of the Republic of Macedonia" No. 54/1997, 21/2007, 51/2011, 104/2013, 42/2014, 192/2015, 27/16, 83/18, 220/18 and "Official Gazette of the Republic of North Macedonia" No. 31/20)

## Reference Metadata in SIMS 2.0 structure

Programme of Statistical Surveys 2023-2027 ("Official Gazette of Republic of North Macedonia" No. 29/23)

-International:

Handbook for EU Agricultural Price Statistics, 2020

### S.6.2 Data sharing

Data are published in Makstat database.

## S.7 Confidentiality

### S.7.1 Confidentiality - policy

Pursuant to Article 38 of the Law on State Statistics ( <https://www.stat.mk/en/about-us/legal-acts/law-on-state-statistics/> ) and the Policy on Statistical Confidentiality ( <https://www.stat.mk/en/about-us/policies-and-strategies/policy-on-statistical-confidentiality/> ), individual data are not published.

### S.7.2 Confidentiality - data treatment

Pursuant to Article 38 of the Law on State Statistics

( [https://www.stat.gov.mk/ZakonZaStatistika\\_en.aspx](https://www.stat.gov.mk/ZakonZaStatistika_en.aspx) ) and the Policy on Statistical Confidentiality ( <https://www.stat.gov.mk/pdf/PolicyOnStatisticalConfidentiality.pdf> ), individual data are not published. However, if access is granted to microdata from the relevant survey, then the methods used to prevent data disclosure should be specified.

## S.8 Release policy

### S.8.1 Release calendar

The date of data publication is determined in the Advance Release Calendar, which is updated quarterly.

### S.8.2 Release calendar access

Releases Calendar

### S.8.3 User access

All users have equal access to statistics at the same time: this means that the publication dates are announced in advance and no user has access to official statistics before they are published. Statistical data are first published in the "News Releases" edition on the website of the State Statistical Office at 12:00.

## S.9 Frequency of dissemination

## Reference Metadata in SIMS 2.0 structure

Monthly.

**S.10 Accessibility and clarity****S.10.1 News release**

In accordance with the [Dissemination strategy](#).

The press releases are published monthly and are available on the SSO website in the section: Latest releases - [Agricultural price indices](#).

**S.10.2 Publications**

[Monthly Statistical Bulletin](#)

[Statistical Yearbook](#)

**S.10.3 On-line database**

MAKStat database available on the website of the SSO.

<https://makstat.stat.gov.mk/PXWeb/pxweb/en/MakStat/>

Number of page views in the MAKStat database - 496

**S.10.3.1 AC1. Data tables - consultations**

Number of page views - 273.

**S.10.4 Micro-data access**

The use of microdata by external users is possible only for research purposes and is done in accordance with the Law on State Statistics (Article 41, Article 42 and Article 43). Access to anonymised microdata is defined by an internal procedure of the State Statistical Office " [Access to anonymised microdata for scientific research purposes](#) "

**S.10.5 Other**

At the request of users, data are also prepared in a form according to their needs.

**S.10.5.1 AC 2. Metadata - consultations****S.10.6 Documentation on methodology**

Methodological explanations are published on the website of the SSO

[https://www.stat.gov.mk/MetodoloskiObjasSooop\\_en.aspx?id=43&rbrObl=15](https://www.stat.gov.mk/MetodoloskiObjasSooop_en.aspx?id=43&rbrObl=15)

**S.10.6.1 AC 3. Metadata completeness - rate**

## Reference Metadata in SIMS 2.0 structure

**S.10.7 Quality documentation**

A Quality Report is prepared after the final processing and dissemination of the data.

The report is prepared in accordance with the internal manuals and is only for internal usage.

Last Updated Quality Report to Eurostat is for 2014

**S.11 Quality management****S.11.1 Quality assurance**

The quality of the processes and products in the State Statistical Office is ensured by adhering to the European Statistics Code of Practice ( <https://www.stat.mk/en/about-us/quality/code-of-practice/> ) and the Quality Assurance Framework within the European Statistical System ( <https://ec.europa.eu/eurostat/documents/64157/4392716/ESS-QAF-V1-2final.pdf/bbf5970c-1adf-46c8-afc3-58ce177a0646> ). The quality criteria are also determined in the Law on State Statistics in Article 4b and Article 4c ( <https://www.stat.mk/en/about-us/legal-acts/law-on-state-statistics/> ).

**S.11.2 Quality assessment**

The State Statistical Office carries out statistical activities in accordance with the Statistical Business Process Model, which is based on the international model - Generic Statistical Business Process Model (GSBPM).

The application of this model and international standards in statistical production ensures a high level of accuracy and comparability of data.

**S.12 Relevance****S.12.1 User needs**

The data on price indices of reproductive material, the working assets and services performed in agriculture are used by the business community and the Government:

- As an economic indicator.

The indices cover price movements, making it possible to forecast the corresponding changes in trade prices. They may occur as an initial indicator of inflationary pressures in the economy. These data are used in the formulation of fiscal and monetary policy.

- As a deflator of other economic series:

The indices are used to adjust other economic time series of price changes.

The indexes are used for comparison with other states.

**S.12.2 User satisfaction**

## Reference Metadata in SIMS 2.0 structure

Starting from 2009, the State Statistical Office conducts a User Satisfaction Survey every three years.

### S.12.3 Completeness and R1. Data completeness - rate for U

In terms of the indicators required by the Handbook for EU Agricultural Price Statistics Version 2.0 March 2008, the SSO provides about 80% of them.

#### S.12.3.1 R1. Data completeness - rate for P

### S.13 Accuracy and reliability

#### S.13.1 Overall accuracy

The survey methodology and the data collection method ensure good coverage and accuracy of the data.

#### S.13.2 Sampling error and A1. Sampling errors - indicators for U

Not applicable.

#### S.13.2.1 A1. Sampling errors - indicators for P

Not applicable

#### S.13.3 Non-sampling error and A4. Unit non-response - rate for U and A5. Item non-response - rate for U

**Coverage errors:** This statistical survey provides a 100% coverage. Data providers timely remind themselves of fulfilling their obligation. When in the current month there is no realization of a particular product (the price in such case is 0), an imputation of the price of the particular product from the previous month is made. All data for this statistical survey are collected with a statistical template (administrative sources are not used).

**Measurement Errors:** There are no errors in data collection. The differences in the values of the collected data with the actual data are currently processed and no measurement is performed.

**Processing errors:** The processing application has implemented rules for the controls and calculations of the output data. The collected data on the selling prices, when entering, are logically controlled, deviations of prices are checked compared to the previous month, the reporting units are contacted, the output data is checked and analyzed. No errors are measured in the data processing.

**Non-response errors:** This statistical survey provides full coverage, there are no mistakes in the non-response.

**Supercontrol model errors:** Not applicable.

#### S.13.3.1 Coverage error

## Reference Metadata in SIMS 2.0 structure

**Coverage errors:** This statistical survey provides a 100% coverage. Data providers timely remind themselves of fulfilling their obligation. When in the current month there is no realization of a particular product (the price in such case is 0), an imputation of the price of the particular product from the previous month is made. All data for this statistical survey are collected with a statistical template (administrative sources are not used).

S.13.3.1.1	A2. Over-coverage - rate
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S.13.3.1.2	A3. Common units - proportion
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S.13.3.2	Measurement error
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**Measurement Errors:** There are no errors in data collection. The differences in the values of the collected data with the actual data are currently processed and no measurement is performed.

S.13.3.3	Non response error
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**Non-response errors:** This statistical survey provides full coverage, there are no mistakes in the non-response.

S.13.3.3.1	A4. Unit non-response - rate
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S.13.3.3.2	A5. Item non-response - rate
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S.13.3.4	Processing error
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**Processing errors:** The processing application has implemented rules for the controls and calculations of the output data. The collected data on the selling prices, when entering, are logically controlled, deviations of prices are checked compared to the previous month, the reporting units are contacted, the output data is checked and analyzed. No errors are measured in the data processing.

S.13.3.5	Model assumption error
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**Supercontrol model errors:** Not applicable.

S.14	Timeliness and punctuality
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S.14.1	Timeliness and TP2. Time lag - final results for U
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The Output price indices of producers of agricultural products are published no later than 30 days after the end of the reference period as final data.

Time difference to the definitive results = T + 30.

S.14.1.1	TP1. Time lag - first results for P
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## Reference Metadata in SIMS 2.0 structure

**S.14.1.2 TP2. Time lag - final results for P****S.14.2 Punctuality and TP3. Punctuality - delivery and publication for U**

Data are disseminated within the established deadlines in accordance with the Release Calendar.

Time difference of publication of the announcement (average monthly) = 0 days.

**S.14.2.1 TP3. Punctuality - delivery and publication for P****S.15 Coherence and comparability****S.15.1 Comparability - geographical**

There is geographical comparability of the disseminated data at national and regional levels, as well as comparability with EU countries.

**S.15.1.1 CC1.Asymmetry for mirror flow statistics - coefficient****S.15.2 Comparability - over time and CC2. Length of comparable time series for U**

Time series from January 2005 (2015=100) with no break in the time series.

Number of reference periods in the time series =240.

**S.15.2.1 CC2. Length of comparable time series for P****S.15.3 Coherence - cross domain**

Time series from January 2005 (2015=100) with no break in the time series.

Number of reference periods in the time series =240.

**S.15.3.1 Coherence - sub annual and annual statistics****S.15.3.2 Coherence - National Accounts****S.15.4 Coherence - internal**

Cross-domain coherence is partially ensured.

There have been comparisons of data at micro level with data from statistical surveys "Monthly report on purchase of agricultural products from individual producers" (TRG.31), "Monthly report on sale of agricultural products"" (ZE.TRG.33)."

**S.16 Cost and burden**

## Reference Metadata in SIMS 2.0 structure

Not calculated.

**S.17 Data revision**
**S.17.1 Data revision - policy**

Data revision is made in accordance with the Statistical Data Revision Policy of the SSO

**S.17.2 Data revision - practice and A6. Data revision - average size for U**

The data are final (final) when first published.

Data revision is done by changing the base year and changing the nomenclatures.

The rebuild of the data series calculated with the old base year is done when each individual monthly index is multiplied by the coefficient that serves as a Chain factor, and thus the data series is adjusted (re-bounced) to the new base year.

**S.17.2.1 A6. Data revision - average size for P**

Not applicable.

**S.18 Statistical processing**
**S.18.1 Source data**

The reporting units are selected from businesses that fill in "Monthly report on purchase of agricultural products from individual producers (ZE.TRG.31), and "Monthly report on sale of agricultural products from own production of enterprises and agricultural cooperatives (ZE.TRG.33)".

The reporting units included in the survey covers enterprises with the largest generated value, of which are selected those with 70% coverage of the types of agricultural products.

**S.18.2 Frequency of data collection**

Monthly

**S.18.3 Data collection**

"The data on sales prices of producers of agricultural products are collected by the statistical questionnaire ""Monthly report on producer prices of agricultural products"" (ZE.C.A). Data on monthly sales (purchase) prices on the 15th of the current month are completed and forwarded to the SSO no later than the 30th of the month."

**S.18.4 Data validation**

Verification of the data is done in accordance with the defined control criteria.

## Reference Metadata in SIMS 2.0 structure

Verification of the data is done before and after they were entered. For any deviation, the respondents of the survey units are contacted. Verification is also done on finished indices prior to their publication.

### S.18.5 Data compilation

Editing: The data received from businesses, after verification and correction in consultation with the reporting units, are entered in an electronic application with integrated on-line controls.

Imputation: There is an imputation of prices from the previous month in cases where there is no purchase or sale of the product.

Weights: Weighting is made with three-year average of the value, obtained from the Economic Accounts for Agriculture for each product that will be observed in the coming period of 5 (five) years. The weights are changed every five years.

#### S.18.5.1 A7. Imputation - rate

### S.18.6 Adjustment

Seasonal variations reflect the seasonal nature of agricultural products.

Seasonal leveling is done on fresh fruit and vegetables.

Creation of the weighting structure reflects the seasonality.

#### S.18.6.1 Seasonal adjustment

Seasonal variations reflect the seasonal nature of agricultural products.

Seasonal leveling is done on fresh fruit and vegetables.

Creation of the weighting structure reflects the seasonality.

### S.19 Comment

No comment.

### A.1 Annexes

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