

Statistical survey on prices of reproductive materials, means of production and services in agriculture

P_ZE.C.I_M_EN_2024_12

Reference Metadata in ESMS 2.0 structure

1	Contact
State Statistical Office	
1.1	Contact organisation
State Statistical Office	
1.2	Contact organisation unit
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2	Metadata update
2.1	Metadata last certified
12/06/2025	
2.2	Metadata last posted
12/06/2025	

2.3	Metadata last update
12/06/2025	
3	Statistical presentation
3.1	Data description
Output price indices of producers of agricultural products (purchased, sold).	
3.2	Classification system
<ul style="list-style-type: none"> - National Classification of Activities: NKD Rev.2; - Nomenclature of agricultural products, forestry, hunting and fishing and related services (NZSRU); 	
3.3	Sector coverage
<p>Section A - Agriculture, forestry and fishing;</p> <p>Division 01 - Crop and animal production, hunting and related service activities.</p>	
3.4	Statistical concepts and definitions
Prices of producers of agricultural products on the 15th of the month. The prices are without excise taxes, VAT and subsidies.	
3.5	Statistical unit
<p>Reporting units:</p> <p>Business entities which belong to Section G Wholesale and retail trade; repair of motor vehicles and motorcycles (Divisions 46 and 47).</p> <p>Observation units:</p> <p>Each agricultural product according to the "Nomenclature of agricultural products, forestry, hunting and fishing and related services", produced and sold (and bought) by enterprises.</p>	
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.	
3.7	Reference area
NTES 1 and 2 (Republic of North Macedonia)	
3.8	Time coverage
Since January 2005	
3.9	Base period
2020=100	
4	Unit of measure

Index	
5	Reference period
Month.	
6	Institutional mandate
6.1	Legal acts and other agreements
<p>National legislation:</p> <p><u>Law on State Statistics</u> ("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)</p> <p><u>Programme of Statistical Surveys 2023-2027</u> ("Official Gazette of Republic of North Macedonia" No. 29/23)</p> <p>-International:</p> <p><u>Handbook for EU Agricultural Price Statistics, 2020</u></p>	
6.2	Data sharing
Data are published in Makstat database.	
7	Confidentiality
7.1	Confidentiality - policy
<p>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.</p>	
7.2	Confidentiality - data treatment
<p>Pursuant to Article 38 of the Law on State Statistics (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.</p>	
8	Release policy
8.1	Release calendar
The date of data publication is determined in the Advance Release Calendar, which is updated quarterly.	

8.2	Release calendar access
<u>Releases Calendar</u>	
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.	
9	Frequency of dissemination
Monthly.	
10	Accessibility and clarity
10.1	News release
In accordance with the <u>Dissemination strategy</u> .	
The press releases are published monthly and are available on the SSO website in the section: Latest releases - <u>Agricultural price indices</u> .	
10.2	Publications
<u>Monthly Statistical Bulletin</u>	
<u>Statistical Yearbook</u>	
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	
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 " <u>Access to anonymised microdata for scientific research purposes</u> "	
10.5	Other
At the request of users, data are also prepared in a form according to their needs.	
10.6	Documentation on methodology
Methodological explanations are published on the website of the SSO	
https://www.stat.gov.mk/MetodoloskiObjasSoop_en.aspx?id=43&rbrObl=15	
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

11 Quality management

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/>).

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.

12 Relevance

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.

12.2 User satisfaction

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

12.3 Completeness

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.

13 Accuracy and reliability

13.1 Overall accuracy

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

13.2 Sampling error

Not applicable.

13.3 Non-sampling error

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.

14 Timeliness and punctuality

14.1 Timeliness

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 = $T + 30$.

14.2 Punctuality

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

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

15 Coherence and comparability

15.1	Comparability - geographical
There is geographical comparability of the disseminated data at national and regional levels, as well as comparability with EU countries.	
15.2	Comparability - over time
Time series from January 2005 (2020=100) with no break in the time series.	
Number of reference periods in the time series =240.	
15.3	Coherence - cross domain
Inter-domain coherence is partially ensured.	
15.4	Coherence - internal
Internal coherence of data is ensured.	
16	Cost and burden
Not calculated.	
17	Data revision
17.1	Data revision - policy
Data revision is made in accordance with the <u>Statistical Data Revision Policy of the SSO</u>	
17.2	Data revision - practice
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.	
18	Statistical processing
18.1	Source data
This statistical survey is a sample survey. The sample of reproductive material, working assets and services performed in agriculture is selected from business entities that fill in ""Quarterly report on purchase prices of reproduction material, working assets and services in agriculture"" (C. 52), 2015. The sample of the enterprises in Section G (Divisions 46, 47) dealing with reproductive material, working assets and services performed in agriculture has been selected from the Statistical Business Register since 2015. The monthly report on the prices of reproductive material, working assets and services performed in agriculture (ZE.C.I) covers businesses from Section G (Divisions 46, 47) that sell reproductive materials, work tools and provide services in agriculture.	
18.2	Frequency of data collection
Mounthly	

18.3	Data collection
<p>The data on the prices of reproductive material, working assets and services performed in agriculture are collected with the statistical questionnaire ""Monthly report on prices of reproductive material, working assets and services performed in agriculture"" (ZE.C.I).</p> <p>Data on monthly selling prices on the 15th of the current month are completed and forwarded to the SSO no later than the 30th of the month.</p>	
18.4	Data validation
<p>Verification of the data is done in accordance with the defined control criteria.</p> <p>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.</p>	
18.5	Data compilation
<p>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.</p> <p>Imputation: There is an imputation of prices from the previous month in cases where there is no purchase or sale of the product.</p> <p>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.</p>	
18.6	Adjustment
<p>Not applicable, no adjustment is made to the time series and seasonal adjustment of the data.</p>	
19	Comment
<p>No comment.</p>	
A.1	Annexes