

Reference Metadata in ESMS 2.0 structure

## Economic accounts for agriculture, previous year's prices

AFF\_ESZ.PC\_A\_EN\_2022\_1

### Reference Metadata in ESMS 2.0 structure

<b>1</b>	<b>Contact</b>
<b>1.1</b>	<b>Contact organisation</b>
State statistical office	
<b>1.2</b>	<b>Contact organisation unit</b>
Department for satellite accounts	
<b>1.3</b>	<b>Contact name</b>
Nevena Kitanovska-Spendzarska	
<b>1.4</b>	<b>Contact person function</b>
Junior associate	
<b>1.5</b>	<b>Contact mail address</b>
Dame Gruev 4, 1000 Skopje, Republic of Macedonia	
<b>1.6</b>	<b>Contact email address</b>
nevena.spendzarska@stat.gov.mk	
<b>1.7</b>	<b>Contact phone number</b>
00389 2 3295 680	
<b>1.8</b>	<b>Contact fax number</b>
00389 2 3111 336	
<b>2</b>	<b>Metadata update</b>
<b>2.1</b>	<b>Metadata last certified</b>
25/06/2025	
<b>2.2</b>	<b>Metadata last posted</b>
25/06/2025	

<b>2.3</b>	<b>Metadata last update</b>
25/06/2025	
<b>3</b>	<b>Statistical presentation</b>
<b>3.1</b>	<b>Data description</b>
Value of agricultural output (crop output, animal output, non-agricultural secondary activities and agricultural services output), at previous year prices. Total intermediate consumption at previous year prices. Gross value added at previous year prices. Net value added at previous year prices.	
<b>3.2</b>	<b>Classification system</b>
National Classification of Activities - NKD Rev.2; Nomenclature of Agricultural Products, Products of Forestry, Hunting and Fishing and Related Services	
<b>3.3</b>	<b>Sector coverage</b>
Sector A - Agriculture, forestry and fishing, division 01 - Crop and animal production, hunting and related service activities, according to NKD Rev.2	
<b>3.4</b>	<b>Statistical concepts and definitions</b>
Gross value added expressed in prices of the previous year is defined as a difference between output measured at prices of the previous year and intermediate consumption measured at prices of the previous year. Net value added at prices of the previous year is defined as a difference between gross value added at prices of the previous year and consumption of fixed capital at prices of the previous year.	
<b>3.5</b>	<b>Statistical unit</b>
Business entites	
<b>3.6</b>	<b>Statistical population</b>
All business entites witch are part from agriculture.	
<b>3.7</b>	<b>Reference area</b>
Republic of North Macedonia	
<b>3.8</b>	<b>Time coverage</b>
From 2006.	
<b>3.9</b>	<b>Base period</b>
It is not apliciable.	
<b>4</b>	<b>Unit of measure</b>
Million denars, AWU (annual work units).	
<b>5</b>	<b>Reference period</b>
01.01.2022 - 31.12.2022.	

<b>6</b>	<b>Institutional mandate</b>
<b>6.1</b>	<b>Legal acts and other agreements</b>
<p>National: Law on State Statistics ("Official Gazette of the Republic of Macedonia" No. 54/97, 21/07, 51/11, 104/13, 42/14, 192/15, 27/16, 83/18, 220/18 и 31/20), Programme of Statistical Surveys 2018-2022 ("Official Gazette of the Republic of Macedonia" No. 54/1997, 21/2007, 51/2011, 104/2013, 42/2014, 192/2015 и 27/16) International: Commision Regulation(EC) No. 138/2004</p> <p><a href="https://www.stat.mk/en/about-us/legal-acts/law-on-state-statistics/">https://www.stat.mk/en/about-us/legal-acts/law-on-state-statistics/</a></p>	
<b>6.2</b>	<b>Data sharing</b>
<b>7</b>	<b>Confidentiality</b>
<b>7.1</b>	<b>Confidentiality - policy</b>
<p>Individual data are protected by the Law on State Statistics. Data collected with statistical surveys from the reporting units or indirectly from administrative or other sources are confidential data and are used only for statistical purposes. Results from the statistical processing may also generate information considered as confidential, for example: anonymised individual data, tables with low level of aggregation, as well as unreleased data. The Policy on Statistical Confidentiality contains the basic principles used in the SSO.</p>	
<b>7.2</b>	<b>Confidentiality - data treatment</b>
<p>All individual or personal data, in each phase of statistical processing, are treated as confidential data and may be used only for statistical purposes. When releasing data from this survey at an aggregated level, there is no need for additional data treatment for the purpose of ensuring confidentiality.</p>	
<b>8</b>	<b>Release policy</b>
<b>8.1</b>	<b>Release calendar</b>
<p>The publication of the data is in accordance with the Release Calendar, which is prepared annually before the beginning of the calendar year and is updated quarterly.</p>	
<b>8.2</b>	<b>Release calendar access</b>
<p>National: Law on State Statistics ("Official Gazette of the Republic of Macedonia" No. 54/97, 21/07, 51/11, 104/13, 42/14, 192/15, 27/16, 83/18, 220/18 и 31/20), Programme of Statistical Surveys 2018-2022 ("Official Gazette of the Republic of Macedonia" No. 54/1997, 21/2007, 51/2011, 104/2013, 42/2014, 192/2015 и 27/16) International: Commision Regulation(EC) No. 138/2004</p>	

<https://www.stat.mk/en/publishing-calendar/>

### 8.3 User access

In accordance with the dissemination policy, all users have equal access to statistical data at the same time. Data are released on the web site at the same time for all users, which are informed with the Release Calendar, and no user has privileged access.

## 9 Frequency of dissemination

Annual

## 10 Accessibility and clarity

### 10.1 News release

Economic Accounts for Agriculture at constant prices, 2015-2023

<https://www.stat.mk/en/stat/agriculture/economic-accounts-for-agriculture/economic-accounts-for-agriculture-at-constant-prices/economic-accounts-for-agriculture-at-constant-prices-2018-2023/>

### 10.2 Publications

### 10.3 On-line database

Economic Accounts in Agriculture at constant prices, production account, by years

[https://makstat.stat.gov.mk/PXWeb/pxweb/en/MakStat/MakStat\\_EkSmetkiZem/175\\_SmetZem\\_Mk\\_PostCen\\_ml.px/?rxid=46ee0f64-2992-4b45-a2d9-cb4e5f7ec5ef](https://makstat.stat.gov.mk/PXWeb/pxweb/en/MakStat/MakStat_EkSmetkiZem/175_SmetZem_Mk_PostCen_ml.px/?rxid=46ee0f64-2992-4b45-a2d9-cb4e5f7ec5ef)

### 10.4 Micro-data access

According to the Law on State Statistics (Article 41) and the Policy on Access to Anonymised Microdata for scientific purposes, data collected for the purpose of official statistics may be used for scientific purposes if there is no risk of direct or indirect identification, i.e. disclosure of data individuality. Access to microdata is possible only in the safe room at the SSO, based on a submitted and approved request and a signed agreement.

### 10.5 Other

In accordance with the Dissemination Policy, the services of the SSO include preparation of data according to user needs, assistance in using library materials and published data.

The State Statistical Office makes great efforts to develop products and services that meet the needs of different categories of users who have different needs, through various forms of presentation and access to statistics.

In general, data access restrictions stem from the Policy on Statistical Confidentiality, with an exception being made for the research community. The dissemination of microdata for research purposes is in accordance with the Policy on Access to Anonymised Microdata for Scientific Research Purposes.

## **10.6 Documentation on methodology**

The methodological explanations are released on the State Statistical Office website.

[https://www.stat.gov.mk/metodoloskiobjasnuvanja/MetodoloskiObjasnuvanja\\_Nauka\\_mk.pdf](https://www.stat.gov.mk/metodoloskiobjasnuvanja/MetodoloskiObjasnuvanja_Nauka_mk.pdf)

## **10.7 Quality documentation**

Quality report for Economic accounts for agriculture is prepared and it is sent to Eurostat in the frame of the Project of Agri-monetary statistics.

## **11 Quality management**

### **11.1 Quality assurance**

The commitment of the SSO to ensuring quality of products and services is described in the:

Law on State Statistics

Strategic Plan of the State Statistical Office

Quality Policy of the State Statistical Office

as well as in the continuous efforts for harmonisation with the European Statistics Code of Practice. The main aspects and procedures for quality management in the phases and sub-processes of the Statistical Business Process Model, as well as the good practices for ensuring quality are documented in the internal document called "Guide for ensuring quality of statistical processes". Input and output metadata, as well as relevant quality indicators for certain sub-processes are described in the document "Guide for survey managers".

### **11.2 Quality assessment**

## **12 Relevance**

### **12.1 User needs**

Data from the Economic accounts in agriculture at current prices are used by agricultural policy makers, by the business community, agro-economists, agronomists, farmers, the non-governmental sector and other organisations.

## **12.2 User satisfaction**

The State Statistical Office conducts the User Satisfaction Survey. This Survey was conducted in 2009, 2012, 2015, 2017 and the last one in 2019.

<https://www.stat.gov.mk/pdf/Anketa2019.pdf>

## **12.3 Completeness**

The SSO ensures around 75% of the indicators which are required by the Commission Regulation (EC) No. 138/2004 and the handbook for Economic accounts in agriculture.

## **13 Accuracy and reliability**

### **13.1 Overall accuracy**

Data accuracy is ensured by additional data comparisons and analyses with data of other statistical and administrative source before dissemination.

### **13.2 Sampling error**

Not applicable (the data are not based on survey on field).

### **13.3 Non-sampling error**

## **14 Timeliness and punctuality**

### **14.1 Timeliness**

T+526.

### **14.2 Punctuality**

The data are published on the day announced in the Advance Release Calendar.

## **15 Coherence and comparability**

### **15.1 Comparability - geographical**

The data are released at national level. International comparability is ensured also.

### **15.2 Comparability - over time**

Comparability is ensured - time series from 2006 with no break in the time series. The number of reference periods in the time series is 10.

### **15.3 Coherence - cross domain**

Comparison at macro level was made with the data from the survey Calculation of GDP by production method for the value of the main indicators in Division 01: Crop and animal production, hunting and related service activities. A comparison of the main data from different sources was made, also (for indicators for which is possible).

#### **15.4 Coherence - internal**

Internal coherence of data is ensured.

#### **16 Cost and burden**

There is not cost for collecting the data nor burden for reporting units because they are taken from administrative sources, are getting from sector of agriculture in SSO and they are submitted by the institutions with which the SSO has concluded a cooperation agreement.

#### **17 Data revision**

##### **17.1 Data revision - policy**

In accordance with the Statistical Data Revision Policy

<https://www.stat.mk/mk/za-nas/izveshtai/%D0%B8%D0%B7%D0%B2%D0%B5%D1%88%D1%82%D0%B0%D1%98-%D0%B7%D0%B0-%D1%80%D0%B5%D0%B2%D0%B8%D0%B7%D0%B8%D1%98%D0%B0/>

##### **17.2 Data revision - practice**

If needed, for methodological update and new data source etc.

#### **18 Statistical processing**

##### **18.1 Source data**

For compiling Economic accounts for agriculture at constant prices, statistical surveys carried out by State Statistical Office are used. As statistical sources of data can be listed: Economic Accounts for Agriculture at current prices, the surveys in the domain of agriculture prices and indexes etc.

##### **18.2 Frequency of data collection**

Annually.

##### **18.3 Data collection**

Data from statistical sources are collected in electronic form at aggregate level. The data from administrative sources are collected in electronic form or submitted by the institutions from which are required.

##### **18.4 Data validation**

Before data release, comparison and analyses is performed i.e. the trend of the data series is analyzed and the main indicators are compared with the data of the survey for calculation of GDP, by production method in Division 01 Crop and animal production, hunting and related service activities.

### **18.5 Data compilation**

For each of the goods or services calculated in the Economic accounts in agriculture at constant prices, the quantity and price measures are calculated by the following formula: value index = price index x volume index. Changes in volume are measured using Laspeyres - type indices, changes in the quantities of elementary series are weighted by the value in the base year. For calculation of Economic Accounts in agriculture at constant prices the changes in volume are calculated by using the weights for the previous year. Value added is forming as the balancing item of the production account. As such, it is not possible to split value added directly into a price component and a volume component. Therefore, for the calculation of the value added at constant prices, the method of double deflation is used.

### **18.6 Adjustment**

### **19 Comment**

### **A.1 Annexes**