

# Statistical survey on production of early crops and fruit, for individual agricultural holdings

AFF\_ZE.32B\_A\_EN\_2024\_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 agriculture, forestry, hunting and fishing and farm register.	
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<b>2</b>	<b>Metadata update</b>
<b>2.1</b>	<b>Metadata last certified</b>
21/05/2025	
<b>2.2</b>	<b>Metadata last posted</b>
09/05/2024	
<b>2.3</b>	<b>Metadata last update</b>
09/05/2024	
<b>3</b>	<b>Statistical presentation</b>

<b>3.1</b>	<b>Data description</b>
Data on harvested areas, total production and yield per hectare of early crops. Number of fruit bearing trees, total production, production by 1 fruit bearing tree of early fruit.	
<b>3.2</b>	<b>Classification system</b>
<u><b>National classification of activities - NKD Rev. 2.1</b></u>  <u><b>Nomenclature of agricultural products, forestry, hunting and fishing and related services</b></u> (NZSRU)  <u><b>Nomenclature of territorial units for statistics</b></u> - NTES, 2019  <u><b>EU regulation 2022/2379</b></u>	
<b>3.3</b>	<b>Sector coverage</b>
Section A-Agriculture, Forestry and Fishing, groups:  01.1-Growing of non-perennial crops,  01.2-Growing of perennial crops and  01.3-Plant propagation.	
<b>3.4</b>	<b>Statistical concepts and definitions</b>
<p><b>Harvested area</b> is part of the sown area with a certain crop, of which the production is harvested.</p> <p><b>Fruit bearing trees</b> are trees capable for production, regardless of age and whether the observed year have given yield or not.</p> <p><b>Fruit bearing area</b> is the area on which fruit bearing trees are planted.</p> <p><b>Total production</b> is output with all the losses in the harvesting, transportation and storage, normal humidity for the crop.</p> <p><b>Production per hectare</b> is the yield produced from 1 hectare of harvested area or 1 hectare fruit bearing area. Production of 1 tree is the yield produced from one fruit bearing tree.</p>	
<b>3.5</b>	<b>Statistical unit</b>
Agricultural areas in assessment areas which cover individual agricultural holdings.	
<b>3.6</b>	<b>Statistical population</b>
Harvested areas and products of crops belonging to the Section A, groups 01.1, 01.2 and 01.3 from the NKD Rev.2.1.	
<b>3.7</b>	<b>Reference area</b>
Municipalities	
<b>3.8</b>	<b>Time coverage</b>

Since 1962.

<b>3.9</b>	<b>Base period</b>
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<b>4</b>	<b>Unit of measure</b>
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Hectares, kg, number.

<b>5</b>	<b>Reference period</b>
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Year.

<b>6</b>	<b>Institutional mandate</b>
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<b>6.1</b>	<b>Legal acts and other agreements</b>
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**National:** **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),

**Programme of Statistical Surveys 2023-2027** ("Official Gazette of the Republic of North Macedonia" No. 29/23 and 57/25)

**International:** **Regulation (EU) 2022/2379 of the European Parliament and of the Council**

<b>6.2</b>	<b>Data sharing</b>
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Time series for annual data: since the year 2000 via eDAMIS to EUROSTAT.

<b>7</b>	<b>Confidentiality</b>
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<b>7.1</b>	<b>Confidentiality - policy</b>
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1. The protection of individual data is regulated by the **Law on State Statistics**.
2. The basic principles and activities undertaken to ensure data confidentiality are described in the **Policy on Statistical Confidentiality**

<b>7.2</b>	<b>Confidentiality - data treatment</b>
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Pursuant to Article 38 of the **Law on State Statistics** and the **Policy on Statistical Confidentiality**, individual data are not published.

<b>8</b>	<b>Release policy</b>
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<b>8.1</b>	<b>Release calendar</b>
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Data are released in accordance with the Release Calendar, which is updated quarterly.

<b>8.2</b>	<b>Release calendar access</b>
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#### **Release calendar**

<b>8.3</b>	<b>User access</b>
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All users have equal access to the statistical surveys: it means that release dates are published in advance and users have not access before their releasing. Statistical data first are published in the edition "**Releases**" on the web page of the Statistical office in the 12:00.

<b>9</b>	<b>Frequency of dissemination</b>
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Annual.

<b>10</b>	<b>Accessibility and clarity</b>
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According the Dissemination strategy, News releases are published on the web page of SSO, under the chapter "**News Releases**".

<b>10.1</b>	<b>News release</b>
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News Releases are published and they are available on the website of the SSO in the section: "**News Releases**".

<b>10.2</b>	<b>Publications</b>
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Statistical yearbook

Regions of the Republic of North Macedonia

North Macedonia in figures

Makstat Selection

Environmental statistics

<b>10.3</b>	<b>On-line database</b>
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MakStat database, Crop Production.

<b>10.4</b>	<b>Micro-data access</b>
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Data collected for the purpose of official statistics may be used for scientific purposes according to the **Law on State Statistics** (Article 41, 42 and 43). Access to Anonymised microdata is defined with an internal procedure in the Statistical Office "**Rules for access to anonymised microdata for research purposes**".

<b>10.5</b>	<b>Other</b>
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Survey data are sent to Eurostat and they are released on the web site of this institution.

<b>10.6</b>	<b>Documentation on methodology</b>
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"**Methodology for surveys on crop production statistics for ZE-22, ZE-32, ZE-33 and ZE-23**", 2023

<b>10.7</b>	<b>Quality documentation</b>
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Quality report from SSO to EUROSTAT

[https://ec.europa.eu/eurostat/cache/metadata/EN/apro\\_cp\\_esgrscn\\_mk.htm](https://ec.europa.eu/eurostat/cache/metadata/EN/apro_cp_esgrscn_mk.htm)

## 11 Quality management

### 11.1 Quality assurance

The quality of the products and services in the SSO is ensure with the guidelines of the **Code of Practice of the EU Statistics** and the **ESS Quality Assurance Framework**. Quality criteria are also described in the **State statistical law** in the Article 46 and 4v.

The quality of the processes and products in the State Statistical Office is ensured by adhering to the **European Statistics Code of Practice** and the Quality Assurance Framework within the European Statistical System ( **ESS Quality Assurance Framework** ). The quality criteria are also determined in the **Law on State Statistics** in Article 4b and Article 4c.

### 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

Domestic users of crop production data are the Government of RNM, business community, nongovernmental organisations, faculties and science and research institutions, agricultural producers associations, media, students and other natural and legal persons. These data are used by international organizations, as well. Data on agricultural and sown areas are indicators of the condition of the agricultural areas, proportion of crops and utilization of agricultural areas for analysis of the situation, planning and investments to improve crop production as a basic branch for feeding the population. Data on crop production are used for the needs of the processing industry and exports as well as the planning of subsidies and other measures in crop production.

### 12.2 User satisfaction

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

### 12.3 Completeness

Regarding the indicators in the Regulation 543/2009 of the European Parliament and of the Council, SSO provides 100% of data.

Completeness on national level is 100%.

## 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**

Not calculated.

**14 Timeliness and punctuality****14.1 Timeliness**

Time difference to final results = T+90.

**14.2 Punctuality**

All data are published according the Release calendar and timely sent to EUROSTAT.

**15 Coherence and comparability****15.1 Comparability - geographical**

There is geographical comparability of the released data at national and regional level. With respect to geographical comparability with other EU countries, it is also ensured because data are collected in line with EU regulations.

**15.2 Comparability - over time**

Time series on national level since 1962 with no break in time series.

**15.3 Coherence - cross domain**

Comparisons of data on macro level are done with the data from "Structural survey of agricultural holdings" (SIZS.1) and "Monthly report on selling of agricultural products" (ZE.TRG.33). The data are coherent.

**15.4 Coherence - internal**

Internal coherence of data is ensured, data are controlled and analyzed during the data entering and data processing.

**16 Cost and burden**

Average time for filling the questionnaire is 13-20 minutes.

**17 Data revision****17.1 Data revision - policy**

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

<b>17.2</b>	<b>Data revision - practice</b>
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Not applicable.

<b>18</b>	<b>Statistical processing</b>
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<b>18.1</b>	<b>Source data</b>
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Survey on harvested areas, the number of fruit bearing trees and production for individual holdings is carried out with full coverage by the method of assessment. For the purposes of crop production in the Republic of Macedonia there are approximately 1770 assessment areas that cover all agricultural areas for individual sector.

<b>18.2</b>	<b>Frequency of data collection</b>
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Annual.

<b>18.3</b>	<b>Data collection</b>
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ZE.32B data on harvested areas, the number of fruit bearing trees and production for individual holdings are collected by statistical questionnaire "Report on the production of early crops and fruits" (ZE.32B) with full coverage in printed form by mail and questionnaire submitted by e-mail. Assessors fill in the data on harvested areas, the number of fruit bearing trees and production of early crops and fruits send to Regional departments of statistics and Regional departments of statistics prepare aggregated data at the level of municipalities and submit the data by mail in printed form to the SSO, not later than August 20.

<b>18.4</b>	<b>Data validation</b>
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Data validation is done according to the pre-defined control criteria. Data validation is done before and after data entering. For certain data deviations, data providers are contacted.

<b>18.5</b>	<b>Data compilation</b>
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Editing: The received data from Regional departments of statistics, after verification and eventual correction in consultation with RDS and assessors, are entered on an electronic medium through application with embedded on-line controls.

Imputation: imputation is performed on the areas of pastures and nonresponses for perennial crops.

<b>18.6</b>	<b>Adjustment</b>
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Data adjustment is not performed.

<b>19</b>	<b>Comment</b>
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<b>A.1</b>	<b>Annexes</b>
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