



## ~ Methodology ~

### YIELDS OF LATE-SEASON CROPS, FRUITS AND VINEYARDS

#### LEGAL BASIS

Data on yields of late-season crops, fruits and vineyards on farms in Republika Srpska are provided through the “Annual Farm Survey – crop production for 2022”, a survey implemented in accordance with the current:

- Work Plan of the Republika Srpska Institute of Statistics for 2022,
- Statistical Programme of Republika Srpska for the period 2022-2025 (“Official Gazette of Republika Srpska”, No 102/21),
- Law on Statistics of Republika Srpska (“Official Gazette of Republika Srpska”, No 85/03), and
- Commission Delegated Regulation (EU) 2015/1557 amending Regulation (EC) No 543/2009 of the European Parliament and of the Council concerning crop statistics.

#### METHODOLOGICAL BASIS

##### *AIM AND CONTENT*

Data on yields of late-season crops, fruits and vineyards on farms were obtained through the “Annual Farm Survey - crop production for 2022”.

The survey has been conducted since 2017, in accordance with Eurostat’s recommendations and standards and it will fully replace the previous methodology of collecting data on agricultural production of family farms, which was based on estimates made by officials of local self-government units.

##### *OBSERVATION UNITS/REPORTING UNITS*

Observation units are farms (family farms and farms owned by legal entities and entrepreneurs).

##### *COVERAGE*

The survey was carried out based on a random representative sample covering 4.2% of family farms located in the territory of Republika Srpska and all farms owned by legal entities and entrepreneurs, which belong to the pre-defined target population. The “Register of Farms”, established on the basis of the results of the Census of Population 2013, was used as the sample frame. Upon extrapolation, the data collected through the survey serve as the basis for monitoring crop production statistics in Republika Srpska.

### ***METHOD AND PERIOD OF DATA COLLECTION***

In the “Annual Farm Survey” for 2022 data were collected through interviews with farm household members, using the CATI method (computer-assisted telephone interviewing). The survey is conducted annually and it was implemented between 1 and 15 December, based on a random representative sample of farms.

### ***PROTECTION OF CONFIDENTIAL DATA***

Only individual data on planned sowing area by individual crops for the level of Republika Srpska are published, based on the survey results. Confidential data are protected pursuant to Articles 25 and 27 of the Law on Statistics of Republika Srpska (“Official Gazette of Republika Srpska”, No 85/03) and in accordance with the Rules of protection of confidential data.

### ***DEFINITIONS OF MAIN FEATURES – INDICATORS***

**Agricultural land** – land used for agricultural production during the observation period (from 1 October 2021 to 30 September 2022) on farms in Republika Srpska.

**Harvested area** – area where crops were harvested and yields were picked.

**Total crop yield** represents the quantity of crop available when harvesting is finished, stored in the farm’s barn, that is, it is the “barn yield” obtained after deducting the quantities lost before harvest, transport to the farm, threshing, etc.

Yield is presented as the yield at normal humidity, that is, grain yield at 13% moisture.

**Yield of fruits** is shown as yield of ripe fruits. Ripe fruits that have fallen off the trees are also included if they are used as human food and animal feed or for further processing. Unripe fruits fallen off the trees are not included.

**Total yield of agricultural crops** was obtained by summing total yields produced by business entities with yields produced by farms.

### ***LEVEL OF DATA REPRESENTATIVENESS***

Data on planned areas and plantations obtained through the survey are representative for the level of Republika Srpska.

### ***COMPLIANCE WITH INTERNATIONAL RECOMMENDATIONS AND STANDARDS***

“Annual Farm Survey” fully complies with Delegated Regulation (EU) 2015/1557 amending Regulation (EC) No 543/2009 of the European Parliament and of the Council concerning crop statistics). Thus, the data obtained through the survey are fully internationally comparable

## **IMPLEMENTATION ORGANISATION**

### ***AUTHORITIES IMPLEMENTING THE STATISTICAL ACTIVITY***

Responsible producer of data on crop production on farms is the Republika Srpska Institute of Statistics.

The survey is conducted by selected interviewers, trained and authorised by the Institute. The interviewers attend a specially prepared training, during which they are provided with the material necessary for work: access to the data entry application, methodological instructions for survey implementation and work authorisation. The interviewers have to attend the training and, during the survey implementation, they must act in accordance with the methodological instructions for survey implementation and the instructions given during the training.

Household members of selected farms are interviewed for 15 days. Once the interviewing is completed, the interviewers inform the person responsible (controller).

Data analysis and corrections, in accordance with the pre-defined criteria of logical and computation controls, are performed in the Production Statistics Division of the Institute.

### ***OBLIGATION TO PROVIDE DATA***

Reporting units (farms) must provide data to the Republika Srpska Institute of Statistics pursuant to the Law on Statistics.

## **METHODOLOGICAL DOCUMENTS**

### ***QUESTIONNAIRE***

Questionnaires for family farms (GIPG-PPG) and questionnaires for farms owned by legal entities and entrepreneurs (GIPG-PL) are used for the implementation of the “Annual Farm Survey”. These questionnaires are available at the Institute’s official websites, at:

[https://www.rzs.rs.ba/static/uploads/obraci/poljoprivreda\\_i\\_ribarstvo/godisnje\\_istrazivanje\\_poljoprivrednih\\_gazdinstava/Obrazac\\_GIPG\\_PPG\\_B\\_2022.pdf](https://www.rzs.rs.ba/static/uploads/obraci/poljoprivreda_i_ribarstvo/godisnje_istrazivanje_poljoprivrednih_gazdinstava/Obrazac_GIPG_PPG_B_2022.pdf)

[https://www.rzs.rs.ba/static/uploads/obraci/poljoprivreda\\_i\\_ribarstvo/godisnje\\_istrazivanje\\_poljoprivrednih\\_gazdinstava/Obrazac\\_GIPG\\_PL\\_B\\_2022..pdf](https://www.rzs.rs.ba/static/uploads/obraci/poljoprivreda_i_ribarstvo/godisnje_istrazivanje_poljoprivrednih_gazdinstava/Obrazac_GIPG_PL_B_2022..pdf)

### ***METHODOLOGICAL INSTRUCTIONS***

Methodological instructions for the “Annual Farm Survey” implementation for 2022 are available at the Institute’s official website, at:

[https://www.rzs.rs.ba/static/uploads/metodologije/poljoprivreda/godisnje\\_istrazivanje\\_poljoprivrednih\\_gazdinstava/Metodolosko\\_Uputstvo\\_GIPG\\_PPG\\_B\\_2022.pdf](https://www.rzs.rs.ba/static/uploads/metodologije/poljoprivreda/godisnje_istrazivanje_poljoprivrednih_gazdinstava/Metodolosko_Uputstvo_GIPG_PPG_B_2022.pdf)

[https://www.rzs.rs.ba/static/uploads/metodologije/poljoprivreda/godisnje\\_istrazivanje\\_poljoprivrednih\\_gazdinstava/Metodolosko\\_Uptustvo\\_GIPG\\_PS\\_B\\_2022.pdf](https://www.rzs.rs.ba/static/uploads/metodologije/poljoprivreda/godisnje_istrazivanje_poljoprivrednih_gazdinstava/Metodolosko_Uptustvo_GIPG_PS_B_2022.pdf)

## **PUBLISHING**

Data on yields of late-season crops, fruits and vineyards are published on 25 December of the current year, in the online database.

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29 May 2023