



## METHODOLOGICAL EXPLANATION

### Arable land with main crops

***This methodological explanation relates to the data release:***

- Areas of field products, Slovenia, annually (First Release)
- Crop production, Slovenia, annually (Electronic Release)

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Prepared by Simon Plešivčnik

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## 1 PURPOSE

The purpose of published data is to show the area of crops on arable land and the area of permanent grassland in Slovenia in a certain year.

Key statistics are:

- Area of individual crops
- Total area of arable land
- Total area of permanent pastures

## 2 LEGAL BASIS

- [Annual Programme of Statistical Surveys \(LPSR\)](#) (only in Slovene)
- [National Statistics Act](#) (OJ RS, No. 45/95 and 9/01)
- The survey is conducted in accordance with Regulation (EC) No. 543/2009 of the European Parliament and of the Council, which applies to all Member States of the European Union. Survey results are comparable in all EU Member States.

## 3 UNIT DESCRIBED BY THE PUBLISHED DATA

The units described by the published data are crops on arable land and permanent grassland on agricultural holdings.

With Sample survey on area sown (KME-JUN) the data are collected on basic level (wheat for grain, grain maize, green maize for silage, potatoes, etc.) which are later aggregated on higher level (cereals for grain, oil crops, green forage, etc.).

## 4 SELECTION OF OBSERVATION UNIT

The sample frame included all agricultural holdings above a certain production threshold in the Republic of Slovenia, which were according to the Statistical Register of Farms active and were engaged in some agricultural activity (crop production on arable land or on permanent grassland).

Agricultural holdings in survey should meet the production threshold:

- at least one hectare of utilised agricultural area, or
- less than 1 hectare of utilised agricultural area, but:
  - at least 0.1 hectare of utilised agricultural area and 0.9 hectare of forest, or
  - at least 0.3 hectares of vineyards and/or orchards, or
  - two or more livestock units (LSU), or
  - 0.15 to 0.3 hectare of vineyards/orchards and 1 or 2 LSU, or
  - more than 50 beehives, or
  - are market producers of vegetables, herbs, strawberries, mushrooms, flowers or ornamental plants.

For the majority of farms in the sample frame data were available from administrative sources; for others, agricultural holdings were sampled in such a way that we selected among them about 9% by using stratified sampling.

## 5 SOURCES AND METHODS OF DATA COLLECTION

Data were collected from two sources. The first part is data on direct payments in agriculture (Form D), which is obtained from the Slovenian Agency for Agricultural Markets and Rural Development (AAMRD) in electronic form. The source includes information from about 60,000 farms. The second part of the data was collected with computer assisted telephone interviewing (CATI). The sample included 3,000 agricultural holdings, for which data can't be obtained from an administrative source.

## 6 DEFINITIONS

**Agricultural holding** is a single unit, both organisational and operating, of agricultural area utilised, forests, buildings, equipment and labour force, which has a single management and which is engaged in agricultural production. Single management is a situation when it is managed as a single unit in view of sharing the profit and loss, regardless of the number of persons managing it. A single agricultural holding is also a holding in which the management is divided among family members, but the profit and loss, labour force and machinery are common. Its manager can be a natural or a legal person. Agricultural holding can be owned by natural or legal person who leads agricultural holding for its own account.

**Reference date** is the date the obtained data refer to. The reference date of the survey is 1 June.

**Arable land** is land ploughed at least every five years and planted or sown with arable crops, vegetables, flowers and ornamental plants. Arable land is also fallow land and land sown after 1 June (cabbage, fodder beat and kohlrabi). The areas under clover and lucerne, as well as grassland ploughed after five years and hops fields are also included.

Arable land not cultivated due to social, economic or other reasons is included under item not cultivated agriculture land

**Permanent grassland** is area used for grazing, making hay and silage. It does not include areas sown with clover and lucerne, which are included in arable land.

**Production area** is corresponding to the multiple usage of area for cultivation of individual crop in a certain year.

## 7 EXPLANATIONS

### 7.1 CLASSIFICATIONS

Published data on the structure of crops use the following standard classifications:

NUTS and SKTE – Standard Classification of Territorial Units:  
<http://www.stat.si/StatWeb/glavnanavigacija/metode-in-klasifikacije/klasifikacije#sfContentBlock3>

## 7.2 DATA PROCESSING

Statistical data are processed semi-automatically by using standardised procedures. Processing includes data correction and data imputation.

### WEIGHTING

With weighting adjustment we want to achieve representatives of the sample, so that the weighted data give us as good population estimates as possible.

The process of weighting depends on the sampling design, the unit nonresponse rate and available auxiliary variables used for calibration.

The final weight is the product of the sampling weight, the nonresponse weight and the calibration factor.

### STATISTICAL DATA EDITING

Data were statistically edited by using appropriate systematic corrections.

For more, see the general methodological explanations [Statistical data editing](#).

## 8 PUBLISHING

Data are published:

**Monthly: /Quarterly: /Annually:**

- SI-STAT Data Portal: [Environment and natural resources – Agriculture and Fishing](#)
- First Release (Crop production): »Areas of field products, Slovenia, 2016.
- Results for all EU Member States are available in Eurostat's Eurobase.

## 9 REVISION OF THE DATA

### 9.1 PUBLISHING OF PRELIMINARY AND FINAL DATA

Data revision is planned. Due to the needs of users for timely information, data are published that meet the criteria of the quality of official statistical data but do not meet the quality that can be met with complete coverage. Data are revised when recent, completed and more quality data respectively can significantly contribute to the quality of data-based decision-making and when due to publication deadlines determined by the European legislation less accurate data are published on the basis of incomplete coverage.

### 9.2 BREAKS IN TIME SERIES

A break in the series occurred in 2000 due to different methodology of data collection. With data revision comparable series are provided from 1991 on. Through the years changes occurred at lower levels (due to changes in the field), without affecting the data at higher levels.

Methodological explanation on revision of statistical data is available on <http://www.stat.si/dokument/5299/RevisionOfStatisticalDataMEgeneral.pdf>.

## 10 OTHER METHODOLOGICAL MATERIALS

- Questionnaire (only in Slovene):
  - Posejane površine – seznam vprašanj (KME-JUN), (only in Slovene)  
theme: Kmetijstvo, gozdarstvo in ribištvo, sub-theme: Rastlinska pridelava  
<http://www.stat.si/StatWeb/en/mainnavigation/methods-and-classifications/questionnaires>
- Standard quality report for the surveys
  - Vzorčno raziskovanje posejanih površin (KME-JUN), (only in Slovene)  
theme: Kmetijstvo, gozdarstvo in ribištvo, sub-theme: Rastlinska pridelava  
<http://www.stat.si/StatWeb/glavnanavigacija/metode-in-klasifikacije/porocila-o-kakovosti>
- Annual quality report for the surveys
  - Annual quality report for Crop production,  
theme: Agriculture, Forestry and Fishery, sub-theme: Crop production  
<http://www.stat.si/StatWeb/en/mainnavigation/methods-and-classifications/quality-reports>