

1. HISTORICAL OUTLINE

The first Agricultural Census¹ (AC) was conducted in the Slovak Republic in 2001, followed by a second one, carried out in 2010. The AC 2010, to which the metadata review and data presented here refer, was conducted in conjunction with the SAPM.

2. LEGAL BASIS AND ORGANIZATION

Legal framework

The agricultural census legislation included:

- Act No. 540/2001 Coll. on State Statistics, which is the basic Slovak law for the AC;
- Decree of the Statistical Office No. 416/2008 Coll. on the Program of Statistical Surveys 2009–2011, with reference to the FSS 2010; and
- the EU legislation² relevant for implementing the FSS 2010.

Institutional framework and international collaboration

The Statistical Office of the Slovak Republic (SOSR) was the responsible body for the AC implementation. Project tasks were fulfilled by three working groups, the activity of which was coordinated and managed by the Department of Agricultural and Environment Statistics of the SOSR.

Census staff

The total number of interviewers was 1 015. The working teams in each of the eight regional offices of the SOSR (involved also in field data collection) were led by a director and two supervisors.

3. REFERENCE DATE AND PERIOD

Reference day: 31 October 2010, for inventory items, such as livestock numbers.

Reference periods:

- the 12 preceding months (from 1 November 2009 to 31 October 2010), for land use, labour force, other gainful activities, renewable energy, agricultural production methods, area irrigated at least once, etc.;
- the last three years (2008–2010), for rural development support and landscape features, average area irrigated.

4. ENUMERATION PERIOD

Data collection took place from November 2010 to February 2011.

5. SCOPE OF THE CENSUS AND DEFINITION OF THE STATISTICAL UNIT

The **census scope** covered the units engaged in agricultural activities (crop and livestock production).

The **statistical unit** was the agricultural holding (farm), defined as a single unit, both technically and economically, which has a single management and which undertakes agricultural activities listed in annex I to the European Parliament and Council Regulation (EC) No. 1166/2008 within the economic territory of the EU, as either its primary or secondary activity.

6. GEOGRAPHIC COVERAGE

The AC 2010 covered the entire country.

7. CUT-OFF THRESHOLD AND OTHER EXCLUSIONS

The Slovak Republic applied the following threshold for agricultural holdings: UAA of at least 1 ha; area of vineyards, orchards or nurseries of at least 0.5 ha; area of tobacco, hops, vegetables, flowers, melons, strawberries and areas under protective cover of at least 0.1 ha; number of livestock of at least one cattle, three pigs, five goats, five sheep or 100 head of poultry.

8. METHODOLOGY

Methodological modality for conducting the census

The classical approach was used in the AC 2010.

Frame

The Statistical Register of the SOSR provided information on the registered units reporting agricultural activity to build the Register of Farms (RF). The RF was then reviewed, supplemented and updated with information from other available agriculture data sources, such as on orchards, vineyards, cattle, pigs, sheep, goats, organic farms, and applicants of the single area payment scheme (SAPS).

¹ The Farm Structure Census.

² (i) Regulation (EC) No. 1166/2008 of the European Parliament and of the Council of 19 November 2008 on farm structure surveys and the survey on agricultural production methods and repealing Council Regulation (EEC) No. 571/88 and (ii) Commission Regulation (EC) No. 1200/2009 of 30 November 2009 implementing Regulation (EC) No. 1166/2008 of the European Parliament and of the Council on farm structure surveys and the survey on agricultural production methods, as regards livestock unit coefficients and definitions of the characteristics.

Complete and/or sample enumeration methods

The AC 2010 and the SAPM were conducted using complete enumeration of the agricultural holdings.

Sample design (if sampling was used)

Not applicable.

Data collection methods

Questionnaires were sent by post to the registered agricultural holdings, well in advance of the survey date, and respondents were informed of the deadline for completing the questionnaire and returning it to the SOSR regional offices. Interviewers received questionnaires for non-registered units (households). The data collection for non-registered units was carried out by face-to-face interviews, while other holdings were enumerated using self-interviewing, by reporting to the regional SOSR through the post. Data collection methods included also telephone and e-mail. Data for both the AC and the SAPM were collected at the same time (using one questionnaire).

Questionnaires

One single questionnaire was used for data collection of the AC and SAPM items. The census questionnaire covered all 16 core items recommended in the WCA 2010.

9. USE OF TECHNOLOGY

New technology was used for the online dissemination of census results.

10. DATA PROCESSING AND ARCHIVING

Data entry was done by the SOSR regional offices using computer software and working in an Oracle environment. After the checking, editing and revision of data at regional offices, data files were created and saved in regional AC databases, from where they were incorporated into the databases of the SOSR. Nonresponse was followed up on by telephone. In case of item nonresponse, supplementary data from external sources or qualified estimates were used to handle missing data. Unit imputations were applied for 329 farms (1 percent of all farms). Final unit nonresponse rate was 2.1 percent. Item imputation was not performed because the missing data was re-surveyed during the data processing. Unit imputation was applied when, for the unit involved, there were relevant internal or external resources created for the reference period.

Data archiving is secured in compliance with the archiving policy of the SOSR. Data anonymization for Eurostat was secured by replacing the identification number by a randomly assigned sequence number.

11. CENSUS DATA QUALITY

The census data were compared with information from the FSS of previous years, and other statistical data. Close supervision, coordination and monitoring activities were undertaken during the field data collection operations by the regional SOSR offices; extensive quality checks were made once the census questionnaires were returned to those offices.

12. DATA DISSEMINATION

Preliminary results were published in October 2011. The final data were disseminated in April 2012 and are available on the SOSR's website. The final data contain the census results on surveyed characteristics, as well as the information on the typology of farms.

13. DATA SOURCES

Eurostat. 2019a. Archive: Agricultural census in Slovakia. In: *European Commission: Eurostat* [online] Luxembourg. [Cited 28 August 2019]. https://ec.europa.eu/eurostat/statistics-explained/index.php?title=Archive:Agricultural_census_in_Slovakia

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Štatistický úrad Slovenskej republiky (SOSR). 2012a. Štruktúrálňý cenzus fariem. 2010 – komplexné výsledky. Ljubljana, The Slovak Republic. (also available at Štruktúrálňý cenzus fariem 2010_komplexné výsledky).

SOSR. 2012b. *Farm Structure Survey 2009/2010 and Survey on agricultural production methods 2009/2010*. National Methodological Report. Eurostat. (also available at http://ec.europa.eu/eurostat/documents/749240/749313/SK_NMR_FSS_2010.pdf/d985e778-605f-4c06-b916-00c2d84dcff6).

14. CONTACT

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SLOVAKIA – AGRICULTURAL CENSUS 2010 – MAIN RESULTS¹

NUMBER OF HOLDINGS AND AREA, BY LEGAL STATUS		
	Holdings	Area (ha)
Total	24 460	3 063 000
Civil persons	22 190	379 720
An individual (sole holder holdings) ²	22 190	379 720
Juridical persons (legal entities)	2 280	2 683 280

LAND TENURE		
	Holdings	UAA (ha)
Total	24 460	1 895 500
Legal ownership and owner-like possession (owned land)	20 620	225 750
Rented from others (land rented)	6 570	1 669 750

DISTRIBUTION OF UAA, BY LAND SIZE CLASSES		
	Holdings	UAA (ha)
Total	24 460	1 895 500
Holdings without UAA	740	
Holdings with UAA	23 720	1 895 500
Less than 2 ha	8 720	9 270
2–4,99 ha	6 290	19 120
5–9,99 ha	2 660	18 150
10–19,99 ha	1 630	22 860
20–29,99 ha	730	17 540
30–49,99 ha	700	26 650
50–99,99 ha	780	55 430
100 ha and over	2 210	1 726 490

LAND USE		
	Holdings	Area (ha)
Total	24 460	3 063 000
UAA	23 720	1 895 500
Arable land	19 120	1 343 510
Land temporarily fallow	1 310	31 570
Land under permanent crops	1 900	19 640
Permanent meadows and pastures	11 670	531 270
Kitchen garden	9 350	1 080
Other land	22 460	1 167 500
Wooded area	690	1 098 500
Unutilised agricultural land and other areas	22 430	69 000

MANAGERS BY SEX ³		
	Number	UAA operated (ha)
Total	24 460	1 895 500
Male	20 290	1 735 260
Female	4 170	160 240

MEMBERS OF HOLDER'S HOUSEHOLD, BY SEX ⁴		Number
Total engaged in agricultural activities on the holding		23 880
Male		9 860
Female		14 010

LABOUR FORCE OF THE HOLDING		Number
Total		90 960
Male		60 830
Female		30 140
Family labour force		46 060
Male		28 160
Female		17 910
Regular non-family labour force		44 900
Male		32 670
Female		12 230

MANAGERS BY SEX AND AGE ³		Number
Total		24 460
Male		20 290
Female		4 170
Less than 35 years		1 730
Male		1 450
Female		280
35–44 years		3 640
Male		3 070
Female		580
45–54 years		6 610
Male		5 580
Female		1 030
55–64 years		6 920
Male		5 730
Female		1 190
65 years and over		5 560
Male		4 470
Female		1 090

LIVESTOCK		
	Holdings	Head
Total holdings with livestock	18 390	
Cattle	9 310	464 920
Sheep	3 150	394 490
Goats	1 350	10 970
Pigs/swine	10 780	588 090
Equines (Equidae)	1 570	6 910
Poultry (1 000 head)	n.a.	n.a.
Broilers	460	6 570
Laying hens	10 180	5 850
Others	2 130	240
Other animals	n.a.	
Rabbits (breeding females)	1 040	3 900
Other	1 200	
Insects		
Bees (hives)	460	10 770

METHODS OF IRRIGATION		
	Holdings	Irrigable area (ha)
Total holdings with irrigable area	630	108 990
Holdings with irrigated area⁵	370	14 840
Surface	170	n.a.
Sprinkler	180	n.a.
Localized irrigation (drop irrigation)	60	n.a.

¹ Data source – Eurostat database, available at:

<https://ec.europa.eu/eurostat/web/agriculture/data/database>

² The categories in brackets are presented as indicated in the Eurostat database (if different from the WCA 2010).

³ According to Eurostat, managers include holders that manage the holding themselves, and managers that are not holders, including of legal units

⁴ Data are presented without holders.

⁵ Excluding kitchen garden and area under glass.