

Poland - Agricultural Census, 2010

Central Statistical Office (CSO)

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Overview

Identification

ID NUMBER

POL_2010_AC_v01_EN_M_v01_A_OCS

Overview

ABSTRACT

The agricultural census and the survey on agricultural production methods were conducted jointly, i.e. within the same organisational structure, at the same time, and using a single electronic questionnaire and the same methods of data collection and processing. The agricultural census covered about 1.8 million of agricultural holdings. At all farms participating in the census, respondents were asked about the "other gainful activities carried out by the labour force" (OGA). The frame for the full survey was prepared on the basis of the list of holdings prepared for the census. When creating the list, an object-oriented approach was adopted for the first time, which meant that at the first stage the holdings (objects) were identified, their coordinates defined (they were located spatially) and their holders were identified on the basis of data from administrative sources. For domestic purposes, the farms with the smallest area, as well as those of little economic importance (meeting very low national thresholds) were included in the sample survey carried out jointly with the census. The survey on agricultural production methods was conducted on a sample of approximately 200 thousand farms in respect of the precision requirements set out in Regulation (EC) 1166/2008. The frame prepared for the agricultural census was used as the sampling frame.

KIND OF DATA

Census/enumeration data [cen]

UNITS OF ANALYSIS

Households

Scope

NOTES

The data on land use, sown area, livestock and the number of tractors, agricultural machines and equipment were collected for the census. Information on support for rural development, the average irrigated area and linear landscape elements were collected for the last three years.

TOPICS

Topic	Vocabulary	URI
Agriculture & Rural Development	FAO	
Land (policy, resource management)	FAO	
Livestock	FAO	
Urban Development	FAO	
Water	FAO	

Coverage

GEOGRAPHIC COVERAGE

National coverage

UNIVERSE

The statistical unit was the agricultural holding, defined as "an agricultural area, including forest land, buildings or their parts,

equipment and stock if they constitute or may constitute an organized economic unit as well as rights related to running the farm". Two types of holding were distinguished (i) the natural persons' holdings (to which thresholds were applied) and (ii) legal persons holdings (no threshold applied).

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
Central Statistical Office (CSO)	

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Office of Chief Statistician	OCS	Food and Agriculture Organization	Adoption of metadata for FAM
Census team, Statistics Division	ESS	Food and Agriculture Organization	Metadata producer

DDI DOCUMENT VERSION

POL_2010_AC_v01_EN_M_v01_A_OCS_v01

DDI DOCUMENT ID

DDI_POL_2010_AC_v01_EN_M_v01_A_OCS_FAO

Sampling

Sampling Procedure

(a) Frame

The frame for the agricultural census and the survey on agricultural production methods was based on the list of agricultural holdings. In the process of the list of farms creation for the needs of AC and SAPM 2010 the objective approach was used for the first time, which meant that on the first stage of work agricultural holdings were identified, its coordinates were defined (farms were located in space), and its holder was determined according to administrative data as described below. The list creation started from identification of all land parcels used for agricultural purposes. The land parcels found in the set of the Agency for Restructuring and Modernisation of Agriculture (including the Records of holdings and Records of producers) were combined into holding and had their holders defined. For the rest of land parcels, the holders were defined from the Records of Land and Buildings, afterwards the data concerning users were updated by the set of Real Property Tax Record.

Questionnaires

Overview

A single electronic questionnaire was used for data collection, combining information related to both the AC 2010 and the SAPM. The census covered all 16 core items recommended in the WCA 2010.

Questionnaire:

Section 0. Identifying characters

Section 1. Land use

Section 2. Economic activity

Section 3. Income structure

Section 4. Sown and other area

Section 5. Livestock

Section 6. tractor, machines and equipment

Section 7. Use of fertilizers

Section 8. Labour force

Section 9. Agricultural production methods

Data Collection

Data Collection Dates

Start	End	Cycle
2010-09-01	2010-10-31	N/A

Data Collection Mode

Computer Assisted Personal Interview [capi]

Data Collection Notes

The AC 2010 and SAPM were conducted jointly, using CAPI, CATI, and CAWI. Administrative data were also used in the AC, as a source of census data and for the validation purposes.

Questionnaires

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Questionnaire:

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- Section 1. Land use
- Section 2. Economic activity
- Section 3. Income structure
- Section 4. Sown and other area
- Section 5. Livestock
- Section 6. tractor, machines and equipment
- Section 7. Use of fertilizers
- Section 8. Labour force
- Section 9. Agricultural production methods

Data Processing

Data Editing

a. DATA PROCESSING AND ARCHIVING

The data captured through the CAPI, CATI and CAWI channels were gathered in the Operational Microdata Base (OMB) built for the AC 2010 and processed there (including control and correction of data, as well as completing the file obtained in the AC with the data obtained from administrative sources, imputed units and estimation for the SAPM). The data, depersonalized and validated in the OMB, were exported to an Analytical Microdata Base (AMB) to conduct analyses, prepare the data set for transmission to Eurostat and develop multidimensional tables for internal and external users.

b. CENSUS DATA QUALITY

Except for a few isolated cases, the CAPI and CATI method resulted in fully completed questionnaires. The computer applications used enabled controls for completeness and correctness of the data already at the collection stage, also facilitating the use of necessary definitions and clarifications during the questionnaire completion process. A set of detailed questionnaire completion guidelines was developed and delivered during training sessions.

Data Appraisal

Other forms of Data Appraisal

The preliminary results of the agricultural census were published in February 2011 (basic data at the national level), and then in July 2011 in the publication entitled "Report on the Results of the 2010 Agricultural Census" (in a broader thematic scope, at NUTS3 2 level). The final results of the AC 2010 were disseminated by a sequence of publications, covering the main thematic areas of the census. The reference publications were released in paper form, and are available online (www.stat.gov.pl <<http://www.stat.gov.pl>>), and on CD-ROMs.