

Estonia - Agricultural Census, 2010

Government of the Republic of Estonia

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Overview

Identification

ID NUMBER

EST_2010_AC_v01_EN_M_v01_A_OCS

Overview

ABSTRACT

There have been six Agricultural Censuses in Estonia, conducted in 1919, 1925, 1929, 1939 and in 2001 and 2010 after the restoration of independence. Publications on the Agricultural Census have been compiled since the 1925 census. The international recommendations concerning Agricultural Censuses have been followed since 1929 (one hectare as the minimum threshold of a holding, and so on). Thus, the results of the Agricultural Censuses are in general comparable with each other. No Agricultural Censuses were conducted while Estonia was under Soviet rule (1940–1991), but statistical data about all holdings (collective farms and state farms) were collected each year

KIND OF DATA

Census/enumeration data [cen]

UNITS OF ANALYSIS

Households

Scope

NOTES

The census scope covered agricultural activities (crop and livestock production).

TOPICS

| Topic | Vocabulary | URI |
|------------------------------------|------------|-----|
| Agriculture & Rural Development | FAO | |
| Land (policy, resource management) | FAO | |
| Forests & Forestry | FAO | |
| Food (production, crisis) | FAO | |
| Livestock | FAO | |
| Labor | FAO | |

Coverage

GEOGRAPHIC COVERAGE

National coverage

UNIVERSE

The statistical unit was the agricultural holding having at least 1 ha of UAA or the agricultural products of which were produced mainly for sale.

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

| Name | Affiliation |
|---------------------------------------|-------------|
| Government of the Republic of Estonia | |

OTHER PRODUCER(S)

| Name | Affiliation | Role |
|------------------------------------|---------------------------------------|-----------------------|
| Statistics Estonia | | Census implementation |
| Agricultural Statistics Department | Government of the Republic of Estonia | Technical assistance |

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 generator |

DDI DOCUMENT VERSION

EST_2010_AC_v01_EN_M_v01_A_OCS_v01

DDI DOCUMENT ID

DDI_EST_2010_AC_v01_EN_M_v01_A_OCS_FAO

Sampling

Sampling Procedure

a. Frame

The target population includes all holdings that satisfy the definition of the statistical unit and that were registered in the Farm Register. The Farm Register is regularly updated on the basis of various administrative and statistical sources.'

b. Complete and/or sample enumeration method(s)

The AC 2010 was conducted using complete enumeration

Questionnaires

Overview

Two questionnaires were used for census data collection: one for natural persons and another for legal persons. The respondents could submit the census data through the electronic data transmission channel eSTAT.

AGRICULTURAL CENSUS 2010 QUESTIONNAIRE:

PART A. GENERAL DATA

PART B. LAND USE

PART C. PLANT GROWING PRODUCTION METHODS

PART D. NUMBER OF ANIMALS AND ANIMAL HUSBANDRY PRODUCTION METHODS

PART E. LABOUR FORCE OF THE HOLDING

PART F. DESTINATION OF THE HOLDING'S PRODUCTION, EQUIPMENT FOR PRODUCTION OF RENEWABLE ENERGY, OTHER GAINFUL ACTIVITY

PART G. SPECIFICATION OF THE MAIN LOCATION OF THE HOLDING

Data Collection

Data Collection Dates

| Start | End | Cycle |
|------------|------------|-------|
| 2010-09-01 | 2010-11-15 | N/A |

Data Collection Mode

Computer Assisted Web Interview (CAWI)

Data Collection Notes

Two methods were used for data collection: CAWI and Computer-assisted Personal Interviewing (CAPI). The general helpdesk of Statistics Estonia was available during the census.

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Data Processing

Data Editing

a. DATA PROCESSING AND ARCHIVING

The census data were collected mainly through electronic questionnaires. Several types of controls were used, including controls to verify that the information was coherent and that the questionnaires were completed correctly and in full. There were also controls to identify inconsistencies compared to administrative data. Imputation was used on a very small scale and, generally, in case of unit nonresponse (holders that could not be contacted or in case of refusals). For refusals, imputations were mostly done using the cold-deck imputation method. Land use data and data on livestock were imputed only on the basis of administrative data. In the case of other characteristics, data from the Farm Structure Survey 2007 were used; when those data were missing, the hot deck nearest-neighbour imputation method was used.

b. CENSUS DATA QUALITY

Important efforts were made to ensure that the census questionnaires were carefully designed and accompanied by internal arithmetical and logical checks, to make sure that errors were caught and corrected during data collection. The use of electronic questionnaires, especially CAPI, also contributed to the quality of census data.

Data Appraisal

Other forms of Data Appraisal

New technology was used in the AC 2010 for: (i) data capture, using CAWI and CAPI; (ii) collection of data on organic farming and rural development support, directly from administrative registers; and (iii) the online dissemination of census results and user access to microdata.

DATA DISSEMINATION

The preliminary data of the AC 2010 were published on 17 December 2010 in the form of a press release. The final results, together with metadata, were published on 15 December 2011 in the statistical database of Statistics Estonia. The census was published in September 2012 and is available on the Statistics Estonia webpage. Researchers can, under special contracts, use anonymized microdata for research purposes at the safe centre on Statistics Estonia's premises or using remote access. They can analyse the data, but the data must remain with Statistics Estonia until an employee has subjected the information to disclosure control.