

Agricultural Census 2020

Ministry of Agriculture, Food, and Viticulture (Ministère de l'Agriculture, de l'Alimentation et de la Viticulture), Rural Economy Department (SER, Service d'Économie Rurale)

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Identification

SURVEY ID NUMBER
LUX_2020_RA_v01_M_v01_A_ESS

TITLE
Agricultural Census 2020

ABBREVIATION OR ACRONYM
RA 2020

TRANSLATED TITLE
Recensement Agricole de 2020

COUNTRY

| Name | Country code |
|------------|--------------|
| Luxembourg | LUX |

STUDY TYPE
Agricultural Census [ag/census]

SERIES INFORMATION

Luxembourg participated in the WCA programme in the years 1950, 1960, 1970, 1980, 1990, 1999/2000, 2010, and 2020. Although statistical information on agricultural land and livestock numbers has been collected since the first half of the nineteenth century, data on structural aspects was collected for the first time in the 1907 General Census of Activities. Since 1953, the Agricultural Census, undertaken annually on May 15, has followed almost the same criteria and definitions.

ABSTRACT

The Agricultural Census (RA) is a census of all agricultural holdings that takes place every ten years. It is part of an EU-wide programme of agricultural censuses carried out in 2020 under EU Regulation 2018/1091 on integrated farm statistics and conducted under the World Programme for the Census of Agriculture (<https://www.fao.org/world-census-agriculture/en/>). The purpose of the RA 2020 is to collect data on the structure of agriculture in Luxembourg as a whole, which is used primarily to compile statistics on business orientation, current production techniques, and agricultural accounts. Data is also used to calculate agricultural emissions.

KIND OF DATA
Census/enumeration data [cen]

UNIT OF ANALYSIS
Agricultural holdings

Scope

NOTES

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

The questionnaire collected information on:

1. General Information on the Agricultural Holding: succession, management, other gainful activities,
2. Labor Force
3. Animal Housing
4. Nutrient Use and Manure on the Farm
5. Manure Application Techniques

KEYWORDS

| Keyword |
|--------------------------|
| Structure of Agriculture |

| |
|----------------------------------|
| Land use |
| Animal Housing |
| Labor in the Agricultural Sector |

Coverage

GEOGRAPHIC COVERAGE

The RA 2020 covered the entire country.

UNIVERSE

The statistical unit was the agricultural holding, defined as a single unit, both technically and economically, that has a single management and that undertakes economic activities in agriculture in accordance with Regulation (EC) No 1893/2006 belonging to groups A.01.1, A.01.2, A.01.3, A.01.4, A.01.5 or to the "maintenance of agricultural land in good agricultural and environmental condition" of group A.01.6 within the economic territory of the Union, either as its primary or secondary activity, as it is stated in the Regulation (EU) No. 2018/1091 of the European Parliament and of the Council on integrated agricultural statistics. Regarding activities of class A.01.49, only the activities "Raising and breeding of semi-domesticated or other live animals" (except for raising of insects) and "Beekeeping and production of honey and beeswax" were included.

The RA 2020 considered the following thresholds for agricultural holdings:

- 3 ha of UAA
- 2 ha of arable land
- 0.5 ha of potatoes (including seed potatoes) - outdoor, fresh vegetables (including melons), or strawberry
- 0.2 ha of aromatic, medicinal and culinary plants, flowers and ornamental plants, seeds and seedlings, nurseries
- 0.3 ha of fruits, berries and nuts (excluding citrus fruits, grapes and strawberries), other permanent crops including other permanent crops for human consumption
- 0.1 ha of vineyards
- 0.01 ha of fresh vegetables (including melons) and strawberries - under glass or high accessible cover, flowers and ornamental plants - under glass or high accessible cover, or cultivated mushrooms
- 1.7 livestock units

The animal housing and manure management module covered all agricultural holdings; however, information is available for holdings with at least one bovine animal, pig, sheep, goat, or poultry.

Producers and sponsors

PRIMARY INVESTIGATORS

| Name |
|--|
| Ministry of Agriculture, Food, and Viticulture (Ministère de l'Agriculture, de l'Alimentation et de la Viticulture), Rural Economy Department (SER, Service d'Économie Rurale) |

PRODUCERS

| Name | Affiliation | Role |
|---|--|---|
| Government IT Centre (CTIE, Centre des technologies de l'information de l'État) | Ministry for Digitalisation (Ministère de la Digitalisation) | Support in programming the online questionnaire |

FUNDING AGENCY/SPONSOR

| Name | Abbreviation | Role |
|---------------------|--------------|-----------|
| European Commission | EC | Co-funder |

Sampling

SAMPLING PROCEDURE

The RA 2020 comprised a core module and three thematic modules on labor force and other gainful activities, rural development, and animal housing and manure management. All census data related to the thematic module on rural development were collected directly from administrative registers, which were also used partially for the core module and the animal housing and manure management module. The RA 2020 used a list frame based on the Integrated Administration and Control System (IACS) register, updated annually. The RA 2020 was conducted on a complete enumeration basis.

Data collection

DATES OF DATA COLLECTION

| Start | End |
|---------|---------|
| 2020-04 | 2020-05 |

DATA COLLECTION MODE

Computer Assisted Web Interview [cawi]

DATA COLLECTION NOTES

The RA 2020 involved two full time employees of the census office. One additional employee of the CTIE programmed the online questionnaire. The census data was mainly sourced from registers (the direct payment system), CAWI and post. Thus, the country did not work with collectors in the field.

The questionnaire was sent with the subsidy application package sent by the SER. Respondents were given the option of completing the questionnaire on paper or answering the questionnaire through an online application.

The country can draw on a large number of administrative registers. Census data were collected directly from administrative registers to reduce the response burden. The following were used to collect data such as bovine animals and rural development: IACS, bovine register, organic farmer register, and rural development measures.

QUALITY ASSURANCE

Quality was assured and assessed using best practices and regular participation in peer review of the STATEC (National Institute of Statistics and Economic Studies, Institut National de la Statistique et des Études Économiques) by the European Commission. Some actions were carried out to minimize measurement errors: pre-testing of questionnaire, explanatory notes and hot-line support for respondents. Non-response was minimized by sending reminders to respondents, through follow-up interviews, and imputation.

questionnaires

QUESTIONNAIRES

One questionnaire was used in the RA 2020. The questionnaire covered 17 out of 23 essential items recommended in the WCA 2020. Data for 4 essential items were collected from administrative sources.

data_processing

DATA EDITING

Supervisors carried out validation for data transmission through data format and completeness checks using STATA software and VIFS flow (structure and content validation tool provided by Eurostat). Qualified statisticians implemented data corrections. Imputation was applied using random hot deck imputation and previous data for the same unit. STATA software was used for data processing.

DATA PROESSING NOTES

CAWI method ensured direct data capture, and manual data entry was used for paper questionnaires received by post.

Access policy

CONTACTS

| Name | Affiliation | Email |
|---|---|-------------------|
| Rural Economy Department (SER, Service d'Économie Rurale) | Ministry of Agriculture, Food, and Viticulture (Ministère de l'Agriculture, de l'Alimentation et de la Viticulture) | info@ma.public.lu |

ACCESS CONDITIONS

The data request procedure and the data request form are available at "How to apply for microdata access" at <https://ec.europa.eu/eurostat/web/microdata/farm-statistics>.

****DATA AND METADATA ARCHIVING****

Data is archived in a back-office hosted by CTIE as well as on the servers of the SER characterized by high security measures of the Luxemburgish government. Census results were disseminated online.

Metadata production

DDI DOCUMENT ID

DDI_LUX_2020_RA_v01_M_v01_A_ESS_FAO

PRODUCERS

| Name | Abbreviation | Affiliation | Role |
|--|--------------|---|---|
| Rural Economy Department (Service d'Économie Rurale) | | Ministry of Agriculture, Food, and Viticulture (Ministère de l'Agriculture, de l'Alimentation et de la Viticulture) | Metadata Producer |
| Statistics Division | | Food and Agriculture Organization of the United Nations | Metadata adapted for FAM |
| Development Data Group | DECDG | World Bank Group | Metadata adapted for World Bank Microdata Library |

DDI DOCUMENT VERSION

Identical to a metadata (LUX_2020_RA_v01_M_v01_A_ESS) published on FAO microdata repository (<https://microdata.fao.org/index.php/catalog>). Some of the metadata fields have been edited.

data_dictionary

| Data file | Cases | variables |
|------------------|--------------|------------------|
|------------------|--------------|------------------|

study_resources

questionnaires

RA Questionnaire (German)

title RA Questionnaire (German)
filename LUX_QUE_GER_2020.pdf

RA Questionnaire (English)

title RA Questionnaire (English)
filename LUX_QUE_ENG_2020.pdf
