

Republic of Korea - Census of Agriculture, Forestry and Fisheries 2020

**Ministry of Data and Statistics of Korea, Agriculture and Fisheries Statistics
Division**

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Identification

SURVEY ID NUMBER

KOR_2020_CAFF_v01_M_v01_A_ESS

TITLE

Census of Agriculture, Forestry and Fisheries 2020

TRANSLATED TITLE

2020 농림어업조사

COUNTRY

Name	Country code
Republic of Korea	KOR

STUDY TYPE

Agricultural Census [ag/census]

SERIES INFORMATION

The Republic of Korea participated in the decennial WCA, with agricultural censuses being conducted every ten years from 1960 to 1990 (in 1960, 1970, 1980 and 1990). Starting in 1995, agricultural censuses in Korea were undertaken every five years. Starting in 2010, three censuses were consolidated into a single census, the Census of Agriculture, Forestry and Fisheries, with a periodicity of five years. In addition, the Rural Community Survey, implemented since 1980, was carried out concurrently with the Census of Agriculture, Forestry and Fisheries 2020.

ABSTRACT

The Census of Agriculture, Forestry and Fisheries 2020 collected information on the structure of the agricultural sector, which is key for designing and assessing the impact of agricultural policy and provide reliable country estimates.

KIND OF DATA

Census/enumeration data [cen]

UNIT OF ANALYSIS

Agricultural holdings

Scope

NOTES

The census scope covered agricultural activities (crops and livestock), forestry and fisheries (aquaculture and capture fisheries activities).

A community survey was carried out together with the census. The questionnaire was designed to collect rural village level data such as characteristics of the villages; mass transportation and living facilities; agriculture, forestry and fisheries facilities; economic activity of agriculture, forestry and fisheries villages; and village communities and waste disposal.

KEYWORDS

Keyword
Structure of Agriculture
Land use
Crops
Livestock and Poultry
Labour in the Agricultural Sector
Forestry

Aquaculture

Fishery

Coverage

GEOGRAPHIC COVERAGE

The Census of Agriculture, Forestry and Fisheries 2020 covered the entire country.

UNIVERSE

The following statistical units were distinguished in the census:

- Agricultural household
- Forestry household
- Marine fisheries household
- Inland water fisheries household

Each type of household was defined as a household directly engaged in activities corresponding to each sector, that meets the established thresholds.

The following thresholds were applied for the agricultural households:

- Directly cultivating an area of at least 0.1 ha of arable land, or land under permanent crops, at the time of enumeration (1 December 2020)
- Sales of produced agricultural (crop or livestock) products amounted to at least KRW 1.2 million during the reference year (1 December 2019 to 30 November 2020)
- Raising livestock worth at least KRW 1.2 million at the time of enumeration (1 December 2020)

The following thresholds were applied for the forestry households:

- Owns 3 ha of forest land at the time of enumeration, and was engaged in forestation during the past 5 years (1 December 2019 to 30 November 2020)
- Engaged in logging or nursery (cultivating seedlings for forestation) during the reference year (1 December 2019 to 30 November 2020)
- Sales of directly produced forestry products including forest product picking amounted to at least KRW 1.2 million during the reference year (1 December 2019 to 30 November 2020)

The following thresholds were applied for the marine fisheries households:

- Engaged in boat fishing, fishing without gear, skin diving fisheries, other fisheries methods, or aquaculture for at least 1 month for the purpose of sales during the reference year (1 December 2019 to 30 November 2020)
- Sales of directly caught or cultured fisheries products amounted to at least KRW 1.2 million during the reference year (1 December 2019 to 30 November 2020)
- Value of aquaculture products was at least KRW 1.2 million at the time of enumeration (1 December 2020)

The following households were excluded from the marine fisheries households:

- Households engaged in deep-sea fisheries only
- Households that were not directly engaged in fisheries but only had wage earners in fisheries
- Households engaged in river, reservoir, dam and lake fisheries (a mixture of seawater and freshwater)

The following thresholds were applied for the inland water fisheries household:

- Engaged in boat fishing, other fisheries methods, or aquaculture at least 1 month for the purpose of sale during the reference year (1 December 2019 to 30 November 2020)
- Sales of directly caught or cultured fisheries products amounted to at least KRW 1.2 million during the reference year (1 December 2019 to 30 November 2020)
- Value of aquaculture products was at least KRW 1.2 million at the time of enumeration (1 December 2020)

The following households were excluded from the inland water fisheries household:

- Households that were not directly engaged in fisheries but only had wage earners in fisheries
- Households with only one fishing hole in inland waters
- Households engaged in fisheries activities near the adjacent sea and coastal waters

Companies, associations and other legal entities were not included in the census.

Producers and sponsors

PRIMARY INVESTIGATORS

Name
Ministry of Data and Statistics of Korea (통계청), Agriculture and Fisheries Statistics Division

Sampling

SAMPLING PROCEDURE

The frame used in the census was a list of holdings engaged in agricultural, forestry and fisheries activities based on the Household Housing Basic Survey 2019, the Census of Agriculture, Forestry and Fisheries 2015, and 6 surveys including the Agriculture, Forestry and Fisheries Survey 2016-2019 and 17 from the Ministry of Agriculture, Forestry and Fisheries, and fisheries management.

The census was conducted on a complete enumeration basis.

Data collection

DATES OF DATA COLLECTION

Start	End
2020-12-01	2020-12-18

DATA COLLECTION MODE

Computer Assisted Personal Interview [capi] Computer Assisted Web Interview [cawi] Computer Assisted Telephone Interview [cati] Pen and Paper Interview [papi]

DATA COLLECTION NOTES

The census fieldwork was carried out by approximately 16 000 temporarily recruited staff, including 300 general managers for each province, city and county, 1600 investigators who were in charge of investigation guidance and support, and 14 000 enumerators.

Data was collected through the CAWI, CATI, PAPI and CAPI methods. Any household that met the thresholds could complete the CAFF questionnaire using the CAWI or CATI methods. Otherwise, an enumerator collected data using the CAPI or PAPI methods. The CAWI method was fostered due to COVID-19 pandemic, and the data collection period was extended until 18 December 2020 for this method.

QUALITY ASSURANCE

Pilot censuses were conducted in September 2017, April and December 2019 to minimize the occurrence of errors by re-examining possible problems throughout the exercise, such as reorganization of census items, data capture methods, and census management efficiency.

Questionnaires

QUESTIONNAIRES

Three questionnaires were used for data collection in households:

- Agricultural and forestry household questionnaire
- Marine fisheries household questionnaire
- Inland water fisheries household questionnaire

The questionnaire covered 17 out of 23 essential items recommended in the WCA 2020.

Data Processing

DATA EDITING

Direct data capture was ensured by the CAWI and the CAPI methods. During data collection, real-time checks of responses were conducted using a tablet application for the CAPI method and an internet research system for the CAWI method. After the data collection period, data was reviewed focusing on securing consistency of data through cross-examination of survey items, survey tables, and registers. The Chi-square automatic interaction detection (CHAID) algorithm was used to select the replacement group using data from the Census of Agriculture, Forestry and Fisheries 2015 and 2020, as well as the Population and Housing Census, when replacing non-response units. Data was analyzed and tabulated using SAS software.

Access policy

CONTACTS

Name	Affiliation	Email	URL
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ACCESS CONDITIONS

For additional information on data access and use, please contact the Ministry of Data and Statistics of Korea.

E-mail: affcensus@korea.kr

Website: <http://kostat.go.kr/portal/eng/index.action>

Metadata production

DDI DOCUMENT ID

DDI_KOR_2020_CAFF_v01_M_v01_A_ESS_FAO

PRODUCERS

Name	Abbreviation	Affiliation	Role
Agriculture and Fisheries Statistics Division		Ministry of Data and Statistics of Korea (통계청)	Metadata producer
Statistics Division	ESS	Food and Agriculture Organization of the United Nations	Metadata adapted for FAM

Data Dictionary

Data file	Cases	Variables
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