

Russian Federation - All-Russia Agricultural Census 2016

**Federal State Statistics Service of the Russian Federation, Agriculture and
Environment Statistics Department**

Report generated on: June 26, 2026

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Identification

SURVEY ID NUMBER

RUS_2016_ARAC_v01_M_v01_A_ESS

TITLE

All-Russia Agricultural Census 2016

TRANSLATED TITLE

Всероссийской сельскохозяйственной переписи 2016 года

COUNTRY

Name	Country code
Russian Federation	RUS

STUDY TYPE

Agricultural Census [ag/census]

SERIES INFORMATION

The first agricultural census in Russia was conducted in 1916, followed by censuses carried out in 1917 and 1920. The All-Russia Agricultural Census 2006 was the first comprehensive agricultural census of conducted in the country. The second All-Russia Agricultural Census was conducted in 2016.

ABSTRACT

The objective of the census was to collect information on the structure of agriculture of the Russian Federation. This information is key for effective governmental policy and research.

KIND OF DATA

Census/enumeration data [cen]

UNIT OF ANALYSIS

Agricultural holdings

Scope

NOTES

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

The questionnaire collected information on:

1. General overview
2. Labour resources and their demographic characteristics
3. Land resources and their use
4. Areas planted with agricultural crops and areas of perennial plantations
5. Livestock
6. Marketing of agricultural products
7. Production infrastructure, equipment, and technologies
8. Conditions for conducting economic activities

KEYWORDS

Keyword
Structure of Agriculture
Land use
Crops
Livestock and Poultry

Machinery and Equipment

Coverage

GEOGRAPHIC COVERAGE

The census covered the entire territory of the country.

Information provided by the Russian Federation includes statistical data for the Autonomous Republic of Crimea and the city of Sevastopol, Ukraine, temporarily occupied by the Russian Federation.

UNIVERSE

The statistical unit for the Agricultural Census 2016 was defined as "a legal or natural person that owns, uses or rents land designated or used for agricultural production, or raise livestock."

The following four main types of enumeration units were distinguished:

- agricultural enterprises, including agricultural enterprises of non-agricultural organizations
- peasant farms and individual entrepreneurs
- households engaged in crop and livestock production
- horticultural, kitchen-garden and dacha (country house) non-profit associations of citizens

For subsidiary agricultural enterprises of non-agricultural organizations, the following minimum size limits were applied:

- 50 ha of sown areas of agricultural crops
- 10 head of cattle or horses
- 5 head of cows
- 20 head of pigs
- 15 head of sheep and goats
- more than 100 head of poultry

For citizens who have a plot of land for individual housing who engaged in agricultural production, a minimum threshold for the area of the plot of 4 ares (that is 0.04 ha) was established.

Producers and sponsors

PRIMARY INVESTIGATORS

Name
Federal State Statistics Service of the Russian Federation (Федеральная служба государственной статистики), Agriculture and Environment Statistics Department

Sampling

SAMPLING PROCEDURE

The creation of the census frame was a major pre-census activity. The sources of the list were: the Statistical Business Register of Federal State Statistics Service (Федеральная служба государственной статистики), the State Land Register formed in the bodies of the Federal Service for State Registration, Cadastre and Cartography (Rosreestr), the Household Books (Registers) in the village administrations, the State Register of Real Estate Rights and Transactions, records of the Technical Inventory Bureaus, records of the Federal Veterinary and Phytosanitary Surveillance Service, records from the bodies of the State Technical Supervision Service, the Unified State Register of Urban Development, and the lists of households in urban settlements compiled for the Census of Population (CP) 2010.

The basis for the formation of lists for households (rural and urban areas) for the Agricultural Census 2016 was the census frames formed at the regional level following the results of the Agricultural Census 2006 and updated on the basis of household record book and other sources.

The census was conducted using a combination of complete and sample enumeration:

- Complete enumeration covered agricultural enterprises, peasant farms, individual entrepreneurs, horticultural, kitchen-

garden, livestock-growing and dacha non-profit associations, households engaged in crop and livestock production in rural settlements, as well as in cities and urban settlements with less than 500 households.

- Sample enumeration covered other enumeration units, such as: (i) households engaged in crop and livestock production in cities and urban settlements with 500 households or more, and (ii) households members of horticultural, kitchen-garden and dacha non-profit associations of citizens.

In urban settlements with 500 households or more, households with at least one cattle, pig, sheep and/or goat, and/or large land areas, were singled out into a separate stratum and enumerated completely. For the remaining households, simple random sampling was used to select 20 percent of households. To obtain information on agricultural activity of the members of horticultural, kitchen-garden or dacha non-profit associations, systematic sampling was used to select them from the list of operated plots.

Data collection

DATES OF DATA COLLECTION

Start	End	Cycle
2016-07-01	2016-08-15	Enumeration
2016-09-15	2016-10-15	Enumeration for remote and difficult to access areas

DATA COLLECTION MODE

Computer Assisted Personal Interview [capi] Computer Assisted Web Interview [cawi] Pen and Paper Interview [papi] Mail Questionnaire [mail]

DATA COLLECTION NOTES

In total, more than 50 000 temporary census staff (enumerators, instructors, supervisors, etc.) participated in data collection.

The Agricultural Census 2016 used both self-interviewing and face-to-face interviewing methods for data collection, depending on the type of enumeration unit:

- Agricultural enterprises were enumerated using self-interviewing methods, namely using paper questionnaires (Mail-out/Mail-back) and Computer Assisted Web Interviews (CAWI)
- Peasant farms and individual entrepreneurs were enumerated using Paper and Pen Interviews (PAPI) and CAWI
- Households engaged in crop and livestock production were enumerated using Computer Assisted Personal Interviews (CAPI) and PAPI
- Horticultural, kitchen-garden, and dacha non-profit associations were enumerated using PAPI

QUALITY ASSURANCE

Emphasis was placed on data quality throughout the census exercise from planning, questionnaire design, training, supervision, data entry and editing, to validation, analysis, and dissemination. A comprehensive mechanism for the monitoring and supervision of fieldwork was established. It included supervision of fieldwork at the level of instruction areas and at different subnational levels, regular reporting and analysis of response rates during data collection, field checks, etc.

In 2012, a pilot agricultural census was conducted in order to test the census methodology, organization of fieldwork and census tools.

A post-enumeration survey (PES) was conducted from 16 to 22 August 2016. The sample supervisory covered each instructor's area, and in each, at least 2 percent of the total number of census objects was included. During the supervisory round, the completeness of the census coverage of all census objects was checked and the reliability was clarified.

Questionnaires

QUESTIONNAIRES

Census data were collected using six types of detailed questionnaires depending on the category of the enumeration unit.

The Agricultural Census 2016 census questionnaires covered 20 out of the 23 essential items recommended in the WCA 2020.

Data Processing

DATA EDITING

The computerized system for the processing of the Agricultural Census 2016 data comprised infrastructures at both regional and federal levels. The regional level comprised a network of regional information-processing centres based at the Federal State Statistics Service regional offices equipped with hardware and software facilities. Data capture using scanning technology (ICR) as well as checking that full coverage of census units was carried out at this level. At the federal level, the Federal State Statistics Service Computer Centre completed the data processing of census data. Data processing activities involved 2209 specialists (at regional level) in 2016 and 143 experts in 2017.

Access policy

CONTACTS

Name	Affiliation	Email	URL
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ACCESS CONDITIONS

For additional information on data access and use, please contact the Federal State Statistics Service of the Russian Federation.

Email: stat@gks.ru

Website: <https://rosstat.gov.ru/>

Metadata production

DDI DOCUMENT ID

DDI_RUS_2016_ARAC_v01_M_v01_A_ESS_FAO

PRODUCERS

Name	Abbreviation	Affiliation	Role
Agriculture and Environment Statistics Department		Federal State Statistics Service of the Russian Federation (Федеральная служба государственной статистики)	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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