

# Armenia - Armenia AGRIS: Survey of Agricultural Holdings 2020

**Statistical Committee of the Republic of Armenia, Food and Agricultural Organization**

Report generated on: April 22, 2022

Visit our data catalog at: <https://microdata.armstat.am/index.php>

# Overview

## Identification

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### ID NUMBER

ARM-ARMSTAT-AGRIS\_SAH-2020-v1

## Version

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### VERSION DESCRIPTION

v1.0 - merged but not cleaned data

### PRODUCTION DATE

2021-10

### NOTES

Microdata will not be disseminated.

## Overview

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### ABSTRACT

- The agricultural integrated survey is conducted to collect statistical information on the agriculture in the Republic of Armenia.

- AGRIS is based on FAO International Statistical Experience

- AGRIS questionnaires and tools (CAPI application, manual, other documents) were developed to collect internationally comparable statistics

- AGRIS content and tools are adapted to reflect the nature and policy of Armenia's agriculture

- The survey on agricultural production in Armenia in 2020 has in total 5 waves of data collection (visits).

The potential of AGRIS

#### 1. AGRIS data

- will be the basis for the development, implementation and evaluation of agricultural policy

- will improve market efficiency

- will support research implementation

#### 2. AGRIS can be the base for an effective agricultural statistical system

#### 3. AGRIS is available and manageable

### KIND OF DATA

Sample survey data [ssd]

### UNITS OF ANALYSIS

Agricultural households

## Scope

### NOTES

The survey collected information on the status of the agricultural holding, land areas, farm animal numbers, production and processing of agricultural products, consumption, sales, labor, buildings, etc.

### TOPICS

Topic	Vocabulary	URI
AGRIS	World Bank	
Agricultural Production	World Bank	
Economy	World Bank	
Labour	World Bank	
Production Methods and Environment	World Bank	
Machinery Equipment and Assets	World Bank	

## Coverage

### GEOGRAPHIC COVERAGE (1)

Kotayk

### GEOGRAPHIC COVERAGE (2)

Armavir

### GEOGRAPHIC COVERAGE (3)

Tavush

### GEOGRAPHIC COVERAGE (4)

Shirak

### UNIVERSE

Farm holdings

## Producers and Sponsors

### PRIMARY INVESTIGATOR(S)

Name	Affiliation
Statistical Committee of the Republic of Armenia	Government of Armenia
Food and Agricultural Organization	United Nations

### FUNDING

Name	Abbreviation	Role
Food and Agriculture Organization of the United Nations	FAO	Partial Funding

### OTHER ACKNOWLEDGEMENTS

Name	Affiliation	Role
International Center for Agribusiness Research and Education Foundation (ICARE)		Survey operations

## Metadata Production

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### METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Agriculture and Food Security Statistics Division	AFSSD	Statistical Committee of the Republic of Armenia	Documenter

### DATE OF METADATA PRODUCTION

2021-10-13

### DDI DOCUMENT VERSION

Version 1.0 - The first metadata documentation for Armenia AGRISurvey 2020.

### DDI DOCUMENT ID

DDI-ARM-ARMSTAT-AGRIS\_SAH-2020-v01

# Sampling

## Sampling Procedure

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The design followed the principles and recommendations of the Handbook on the Agricultural Integrated Survey (AGRIS). A link to the Handbook is provided under Technical Documents.

**Framing:** The sampling strategy is based on the Multiple Frame Sampling (MSF) approach using the two agricultural frames of the Agricultural Census 2014:

- List Frame 1: Agricultural holdings of the household sector
- List Frame 2: Agricultural holdings of the non-household sector

For details of the sampling design please refer to the Sampling Strategy and Plan attached as a Technical Document.

## Deviations from Sample Design

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Terms of using replacement list:

Addresses from replacement list should be used only in sequential order and in the following cases:

The household cannot be found at a given address.

The enumerator visited the address at least 3 times and was unable to meet with members of the household.

The household refuses to take part in the survey.

For large holdings no replacement is available.

# Questionnaires

## Overview

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The Agricultural Integrated Survey is conducted by the interviewers via Computer Assisted Personal Interviewing (Survey Solutions, SuSo) using exclusively the following digital questionnaires:

Inception questionnaire  
 Quarterly questionnaire  
 Annual questionnaire

The questionnaires were completed by interviewer during the visits to holdings in the course of the year, through direct interviews with the holder of the holding or another adult (at least 18 years old) member of the holding who is well-informed of the holding's agricultural activities.

The inception questionnaire consists of a cover page, survey preparation and the following 6 sections:

- General information on the holding
- Land use by parcels as of 1st January, 2020
- Stocks of agricultural products produced on the holding (as of 1st January, 2020)
- Livestock numbers
- Buildings on the holding
- Agricultural cooperatives

The quarterly questionnaire consists of a cover sheet, general information on the holding and the following 6 sections:

- Crop area sown and production during the last two quarters (1st of January - 30th of June 2020)
- Use of Fertilizers and Pesticides/Herbicides
- Livestock and Poultry
- Production and processing of crop and animal products during the last two quarters (1st of January - 30th of June 2020)
- Labour on the holding
- Economic information about expenditures of agricultural holdings for agricultural production carried out during the last two quarters (1st of January - 30th of June 2020)

The annual questionnaire consists of a cover sheet, general information on the holding and the following 10 sections:

- Crop area sown and production during the last two quarters (1st of July - 31st of December 2020)
- Use of crop product during the last year
- Use of Fertilizers and Pesticides/Herbicides
- Livestock and Poultry
- Production and processing of crop and animal products during the last two quarters
- Use of pasture during 2020 (1 Jan - 31 Dec 2020)
- Labour on the holding
- Economic information about expenditures of agricultural holdings for agricultural production carried out during the last two quarters
- Access to agricultural production warehouses (From January 1st to December 31st 2020)
- Economic profiles of the holding (From January 1st to December 31st 2020)

The questionnaires were jointly developed by ARMSTAT, FAO and ICARE. Discussions were aimed at matching indicators available in the sections to the national peculiarities, particularly crop list and farm animals' gender and age group.

## Data Collection

### Data Collection Dates

Start	End	Cycle
2020-01	2020-01	Inception - 10 working days
2020-08	2020-08	Semi-annual - 10 working days
2021-01	2021-01	Annual - 10 working days

### Time Periods

Start	End	Cycle
2020-01-01		Quarterly: production
2020-04-01	2020-09-30	Quarterly
2020-01-31		Quarterly: labor
2020-04-01	2020-12-31	Quarterly

### Data Collection Mode

Computer Assisted Personal Interview [capi]

### Data Collection Notes

Interviewer Duties:

- Thoroughly plan the current activities
- Conduct the interviews with a daily schedule
- Explain the goal and objectives of the survey to the agricultural holding members
- Do not make any corrections or changes without the knowledge of the holding.
- Do not disclose the content of the respondents' answers

Who should be interviewed?

- When starting an interview with a holding, the interviewer shall look for the most informed adult (at least 18 years old) member of the holding who can accurately answer the questions in the questionnaire.
- The holder or the manager of the holding are normally the most qualified respondents.
- Family members are a good example of potentially well-informed respondents, especially in the case of household agricultural holdings.

Trainings were conducted with enumerators and supervisors before the field work. Revelation of problems appeared during the previous field work by enumerators and supervisors, presentation of solutions, discussions, exchange of experiences.

There was constant communication (via software) between interviewers, supervisors and headquarters during field work.

Via CAPI's SuSo application, quick entry of questionnaires by the enumerators and data control by the supervisors and headquarters.

Big number of missing households/closed door/refusal to answer were present in the sample, as a result of which the selected addresses were changed to backup addresses. Additional time was spent on finding new addresses and preparing the household for the interview.

The pandemic, added to the delay of field work. Households refused to participate because to avoid contact with other people.

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The quarterly questionnaire consists of a cover sheet, general information on the holding and the following 6 sections:

- Crop area sown and production during the last two quarters (1st of January - 30th of June 2020)
- Use of Fertilizers and Pesticides/Herbicides
- Livestock and Poultry
- Production and processing of crop and animal products during the last two quarters (1st of January - 30th of June 2020)
- Labour on the holding
- Economic information about expenditures of agricultural holdings for agricultural production carried out during the last two quarters (1st of January - 30th of June 2020)

The annual questionnaire consists of a cover sheet, general information on the holding and the following 10 sections:

- Crop area sown and production during the last two quarters (1st of July - 31st of December 2020)
- Use of crop product during the last year
- Use of Fertilizers and Pesticides/Herbicides
- Livestock and Poultry
- Production and processing of crop and animal products during the last two quarters
- Use of pasture during 2020 (1 Jan - 31 Dec 2020)
- Labour on the holding
- Economic information about expenditures of agricultural holdings for agricultural production carried out during the last two quarters
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## Supervision

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International Center for Agribusiness Research and Education Foundation (ICARE)  
Statistical Committee of the Republic of Armenia

There were 4 groups: total of 7 controllers, 19 supervisors, and 111 enumerators.

Supervisors checked the filled questionnaires' integrity and credibility.

Controllers attended to the work schedule.



## Data Processing

### **Data Editing**

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Supervisors and controllers checked and edited the filled questionnaires.

The computer software helped in checking arithmetic and logic of the responses.

## Data Appraisal

No content available