

# Montenegro - Agricultural Census, 2010

**Statistical Office of Montenegro (MONSTAT)**

Report generated on: January 20, 2021

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# Overview

## Identification

### ID NUMBER

MNE\_2010\_AC\_v01\_EN\_M\_v01\_A\_OCS

## Overview

### ABSTRACT

The main concept of the Census of Agriculture (hereinafter referred to as the 'Census'), organisation and methodology is based on the experiences of countries in the region that have carried out the census of agriculture, and own experiences from the previously carried out censuses, as well as on the methodology and recommendations of FAO World Programme for the Census of Agriculture 2010, taking into considerations specific characteristics of Montenegro. The main objective of the Census is to provide accurate, comprehensive and internationally comparable data on number of family agricultural holdings, area of total land used for agriculture, livestock by type and categories, agro-technical measures, agricultural machinery, etc.

### 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	
Food (production, crisis)	FAO	
Labor	FAO	
Livestock	FAO	

## Coverage

### GEOGRAPHIC COVERAGE

National coverage

### UNIVERSE

The statistical unit was the agricultural holding, defined as a single unit, both technically and economically, which has a single management and which undertakes agricultural activities and meets certain minimum thresholds of activity which are similar to the EU and Council Regulation (EC) No. 1166/2008. Two types of holdings were distinguished in the AC 2010: (i) family agricultural holdings (holdings in the household sector); and (ii) business entities (holdings in the non-household sector).

## Producers and Sponsors

## PRIMARY INVESTIGATOR(S)

Name	Affiliation
Statistical Office of Montenegro (MONSTAT)	

## OTHER PRODUCER(S)

Name	Affiliation	Role
Committee for the AC		Technical assistance

## Metadata Production

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## 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 producer

## DDI DOCUMENT VERSION

MNE\_2010\_AC\_v01\_EN\_M\_v01\_A\_OCS\_v01

## DDI DOCUMENT ID

DDI\_MNE\_2010\_AC\_v01\_EN\_M\_v01\_A\_OCS\_FAO

# Sampling

## Sampling Procedure

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### 1. Frame

The census frame was established based on a listing operation and using the available information from 2003 Census of Population, Dwellings, and Households. The listing operation helped to enumerate all households, and screen the agricultural production households that met the criteria applicable to holdings. The AC 2010 was conducted using complete enumeration of the target population.

# Questionnaires

## Overview

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Three data collection forms were used for the AC 2010:

- Form P-1 (Household Listing Form) was a listing of all households, aimed at identifying family agricultural holdings;
- Form P-2 for the enumeration of family agricultural holdings; and
- Form P-3 for the enumeration of business entities.

Questionnaire coverage:

1. Land resources
2. Livestock resources
3. Agricultural production
4. Agro-technical measures
5. Facilities within holding
6. Organic agriculture
7. Agricultural machinery and equipment
8. Persons engaged in agricultural production
9. Other useful activities linked with holding

The census questionnaires covered all 16 core items recommended in the WCA 2010.

## Data Collection

### Data Collection Dates

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Start	End	Cycle
2010-06-07	2010-06-21	N/A

### Data Collection Mode

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Face-to-face [f2f]

### Data Collection Notes

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The enumeration of family agricultural holdings was conducted by face-to-face interview, using the "door-to-door", PAPI method. Business entities were enumerated by self-interviewing, using the mail-out/mail-back ("postal") method.

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## Data Processing

### Data Editing

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#### a. DATA PROCESSING AND ARCHIVING

For data entry, MONSTAT prepared an application called ENTRY. During data entry, statisticians controlled the accuracy of the entire process from the questionnaire on the application. Data entry took one month and a half. After entering, the material was controlled. To control the data in MONSTAT, an application called CONTROL was elaborated; this detected logical and arithmetical errors at questionnaire level. For the updating process, MONSTAT elaborated an application called CORRECTION. The application enabled viewing the errors in the questionnaire, as well as the type of error in the survey. The correction of the material was performed by MONSTAT employees. The complete software was done in the IT department of the MONSTAT. The application was made in Visual Basic 6.0 and the database was SQL Server 2000.

#### b. CENSUS DATA QUALITY

A PES was conducted immediately after the end of the AC enumeration, from 25 June to 5 July 2010. The PES was an effort to assess data quality and was carried out in EAs and municipalities selected at random. The PES took place using special questionnaires, with a limited number of variables.'

## Data Appraisal

### **Other forms of Data Appraisal**

The preliminary results of the AC 2010 were published in July 2010 in the form of a press release (only the number of holdings and UAA for farm agricultural holdings). The final results were published seven months after the release of preliminary results.<sup>2</sup> The results of the AC 2010 are available in the form of tables and publications on the MONSTAT website.