

Agricultural Census 2010



Final results on structure of family holdings-Agricultural Census 2010

Comment

By this release we are informing users of statistical data that Statistical Office according to Law on Conducting Agricultural Census 2010 has published final results from Agricultural Census 2 on structure of agricultural holdings which are published in five publications:

I book " Key variables – land and livestockresources ", March2011

II book " Utilized land ", July 2011

III book„Livestock resources ", July 2011

IV book " Special interest topics", October 2011

V book"Typology of agricultural holdings ", December 2011

Agricultural Census as statistical activity of collecting, processing and dissemination of data on structure of agricultural holding s conducted in June 2010 in whole territory of Montenegro. All family agricultural holdings are enumerated by interview method using principle „door to door “ and business entitiesengaged in agricultural production, and which are enumerated by regular post serviceCoverage and quality of the survey is confirmed by Post-enumeration survey conducted immediately after main census.

The legal basis for preparing, organising and conducting the Census of Agriculture is the Law on Conducting the Census of Agriculture 2010 (published in the Official Gazette of Montenegro 54/09, and 14/10). As basis for harmonization with EU are taken new legal frameworks referring to Agricultural Census 2010: Regulation (EC) 1166 and Handbook on implementing FSS and SAPM definitions.

This is third agricultural census in territory of Montenegro conducted after 50 year. General censuses of agriculture are conducted in 1931, 1960 and 2010. Earlier censuses of agriculture in ex territory of Yugoslavia were mostly livestock censuses and they were conducted together with population censuses and the last that included answers on agriculture was conducted in 2003.

The main objective of the Census is to provide accurate, comprehensive, and internationally comparable data on number of agricultural holdings, area of total land used for agriculture, livestock by type and categories, agro-technical measures, agricultural machinery and equipment, labour force etc.. All used definitions are in accordance with Eurostat and FAO recommendations.

Agricultural Census was financed and supported through Midas project (Montenegro Institutional Development and Agriculture Strengthening Project), in cooperation with the representatives of World Bank, Ministry of Agriculture and Rural Development, Ministry of Finance, and other relevant institutions.

Census of Agriculture is the only solid basis for establishing the farm register, which will be used exclusively for statistical purposes. The register of holdings is the only good sample frame for all regular statistical surveys in the area of agriculture and it is one of the next topics and activities that will be defined through amendments of already signed Memorandum of Understanding with Ministry of Agriculture and Rural Development, related to its joining with administrative registers. Results of Census will be indicators by which the central and local government can define more accurate agricultural activity problems, and together with it, to plan and take decisions, and to implement appropriate measures for development both at local and national level.

According to Law on Conducting the Census of Agriculture 2010 Statistical Office published the first results of Census of Agriculture 30 days after census was conducted and final results successively from March to the end of December 2011. There were published total five publications on the structure of agricultural holdings. All publications were made in two languages - our language and English language.

Final results of five published books were provided in aggregate and national level for family agricultural holdings and business entities and it was provided detailed structure of family agricultural holdings by municipalities. These publications contain methodological explanations, short comments and graphs and tables related to data from questionnaires used in Census of Agriculture. Data indicate current situation in the area of agriculture and they will be basis for the future annual statistical surveys in this area and it will serve for the needs of state of Montenegro for approaching to certain funds of European Union.

1 book „ Key variables – land and livestock resources ”, March 2011



This publication includes data on the structure of agricultural holdings as well as key data on the land and livestock resources.

- Total number of agricultural holdings in Montenegro enumerated by the Census of Agriculture 2010 is 48 870. Number of family agricultural holdings is 48 824 and number of business entities performing the agricultural activity is 46.

Family agricultural holdings and business entities enumerated by the 2010 Census of Agriculture had 309 240.7 ha of total available land. The average agricultural holding has 6.0 of total available land. Total 48 277 of family agricultural holdings with 221 297.6 ha of total available land representing 71.6% from total area of available land. The average family agricultural holding has 4.6 ha of total available land.

The Census of Agriculture 2010 covered 32 675 of agricultural holdings breeding livestock and they make 66.9% from 48 824 and this is total number of agricultural holdings in Montenegro. In accordance with the census data, total number of livestock unit (LSU) is 117 753.1, the share of family agricultural holdings is 95.9%.

II book " Utilized land ", July 2011

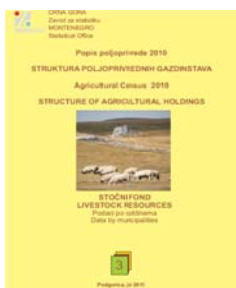


In this publication it is provided more detailed structure of family agricultural holdings by municipalities related to land resources, i.e. for utilized agricultural land. Then, there were presented data on irrigated area and data on agricultural machinery.

Structure of utilized agricultural land is the following: perennial meadows and pastures make 94.98% of total utilized agricultural area, and other categories of land as kitchen gardens, arable land, vineyards, orchards, and nurseries make in total somewhat more than 5%.

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III book „Livestock resources ”, July 2011



The third publication „Livestock resources“ contains data on total number of livestock by types and categories that were on the holding with reference day, 31 May 2010 and data on facilities on agricultural holdings. There are collected data on the number of livestock and number of livestock grazing days in common land and in common land and mountain land for period from 1 June 2009 – 31 May 2010, as well as data on plant protection and nutrients.

Number of bovines and structure of holdings is provided by different types of bovines (bovines, sheep, goats, pigs and poultry). Total number of bovines that are bred is 80 209, from that 78 633 is owned by family agricultural holdings (or 98.04% from total number of bovines), and 1 576 owned by business entities (or 1.96% from total number of bovines).

Average number of bovines per family agricultural holding that breed bovines is 3.3 heads, while average number of bovines per business entity which breed bovines is 197 heads.

In total number of bovines with percentage of 74.43%, it is dominant structure of bovines over 2 years old (it includes categories of heifers, sterile heifers, dairy cows, other cows and category of bulls and oxen).

Total number of sheep is 229037 heads. In total number of sheep, it is dominant structure of dairy sheep with 57.52%.

Total number of agricultural holdings that breed livestock is 32675- from that:

- 18.9% or 6166 agricultural holdings that have semi-nomadic type of livestock breeding and
- 26509 or 81.1% agricultural holdings that have stationary system of livestock breeding.

Holdings which have semi-nomadic type of livestock breeding-total 6166 are holdings which breed their livestock in common land (mountain land, common land).

In Montenegro there are:

- 19383 agricultural holdings with facilities for bovine housing
- 3312 agricultural holdings with facilities for small cattle housing and
- 7865 agricultural holdings with facilities for pigs housing
- 3899 of agricultural holdings which have 1128 poultry house with cages for breeding laying hens, 2896 poultry house with floor system of breeding and 267 poultry house for broilers breeding.

IV book „Special Interest Topic“, October 2011,

This publication includes data on labour force, other useful activities on holding and outside of holding, on selling of agricultural products on agricultural holdings, data on consumption of energy fuels in holding as well as data on keeping record of income and expenditure.

In Montenegro there are 98 949 of working persons on agricultural holdings, or 2.03 % working members per holding. The highest share of working persons on family agricultural holdings comprises persons aged over 65 (23.59% share), while in business entities there are persons aged between 45 and 54 years (40.30% share).

At the level of family agricultural holding, working persons have approx. 0.47 Annual Working Unit (AWU), while working persons in business entities have approximately 0.94 AWU.

Over 60% of the total number of working persons– members of agricultural holdings are male persons, i.e. 59 794 persons.

Compared with the total number of holders of family agricultural holdings, only 12.87% are female persons. Of the total 48 824 holders of family agricultural holdings, the most of holders (16 228 holders) is aged 65 and over, with the share of 33.24%.



The structure of total working persons by educational attainment is the following:

- No education 3.87%,
 - Unfinished primary education 5.79%,
 - Primary education 27.9%,
 - Any secondary school finished by a half of members 53.33%
 - Post-secondary or higher education is 9.11%.
- The total number of non-regular (occasional and seasonally engaged) persons on the agricultural holding is 17 096.*

- Of the total 23 885 agricultural holdings carrying out other useful activities on the holding, the highest share - 39.09% have the holdings carrying out, while small number of them carrying out tourism and accommodation (0.93%), and aquaculture (0.12%).
- Of the total 48 870 agricultural holdings, 5448 keep evidence of the incomes and expenditures that makes 11.15 % of total number of agricultural holdings. Members (working), with the share 76.8% ,in the total number of agricultural holdings.
- The number of agricultural holdings using personal computer for needs of holding is 598,
- i.e. 1.22% of the total number of agricultural holdings.

V book „Typology of agricultural holdings “, December 2011



In this publication there are described types of agricultural holdings. In order to have easier analysis of structure characteristics and economic results of agricultural holdings it is made classification of agricultural holdings by type of agricultural production and economic size.

Total value of Economic size of agricultural holdings in Montenegro in euros is 125.817.765.2 or in average 2574.54 € per agricultural holding. The average value of Economic size of family agricultural holding is 2239.1€, i.e. 513.9€ per ha of family agricultural holding.

More than 65% of family agricultural holdings have the values of Economic size less than 2000 €.

The portion of Standard Output (SO) of individual agricultural activities in total value of SO on agricultural holding indicates that Montenegro has in 47.56% agricultural holdings classified as specialized type of production Livestock breeding, than 25.33% is specialized type Crop farming .From total number of agricultural holdings. Only 8.04% are holdings of specialized type of production-Pig breeding and poultry, than 4.53% of agricultural holdings have type of production-Mixed production of livestock. Type of production-Mixed production of livestock and crops is 4.95%.

VI book” We know what we have”, December 2011



In this sixth publication as pocket edition, there are joint data from mentioned books on structure of agricultural holdings from Census of Agriculture 2010 and it contains also data from Census of Population, Dwellings and Households 2011, as well as results of some regular annual statistical surveys.

MONSTAT has taken obligation, via IPA 2008 Multi-beneficiary programme on Statistical cooperation, -Project 8- Transmission of Results from EUROSTAT Farm Structure Survey to transmit census data base using transitional tables in Euro-farm data base. Planned deadline is until June 2012 and in this way Eurostat will publish data on agricultural structure of Montenegro together with other countries which conducted Census of Agriculture 2010 as legal obligation.

Issued and published by Statistical Office of Montenegro - MONSTAT
81000 Podgorica, IV Proleterske 2, Phone (+382) 20 230-811, Fax (+382) 20 230-814

Print: 50 copies

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