

Farm structure survey in 2016^(p)¹

Number of holdings

According to the preliminary data obtained by interview-based farm structure survey, with the reference moment on 1 November 2016, there were 43 791 agricultural holdings, from which there are 43 agricultural enterprises or business entities.

Table 1: Number of agricultural holdings

	Farm structure survey 2016 ² (FSS 2016)	Agricultural census 2010 ³ (AC 2010)	Index 2016/2010
Number of agricultural holdings	43 791	48 870	89.6

Land fund

Preliminary data show that the total utilised agricultural area in 2016 is higher by 15.6% compared to 2010.

Table 2 Utilised agricultural land area

	FSS 2016	AC 2010	Index 2016/2015
Utilised agricultural land	255 845.8	221 297.6	115.6

Agricultural holding possesses in average 5.8 ha of utilised agricultural land in 2016. In 2010, this average was 4.5 ha.

According to the preliminary data of the farm structure survey, out of total number of agricultural holdings, the most agricultural holdings are in interval from 0.1 to 0.5 ha.

Table 3. Agricultural holdings by class size of utilised agricultural land

Agricultural holdings	Class size by utilised agricultural land								
	No land	<0.10	0.10-<0.50	0.50-<1.00	1.00-<2.00	2.00-<3.00	3.00-<4.00	4.00-<5.00	5.00-<6.00
FSS 2016	311	1 560	10 590	5 815	7 363	3 895	2 511	1 600	1 462
AC 2010	593	2 515	15 418	8 467	8 867	4 081	2 258	1 288	1 057

¹— preliminary data. Final data will be published after the validation done by Eurostat.

²— hereinafter referred to as 'FSS 2016'

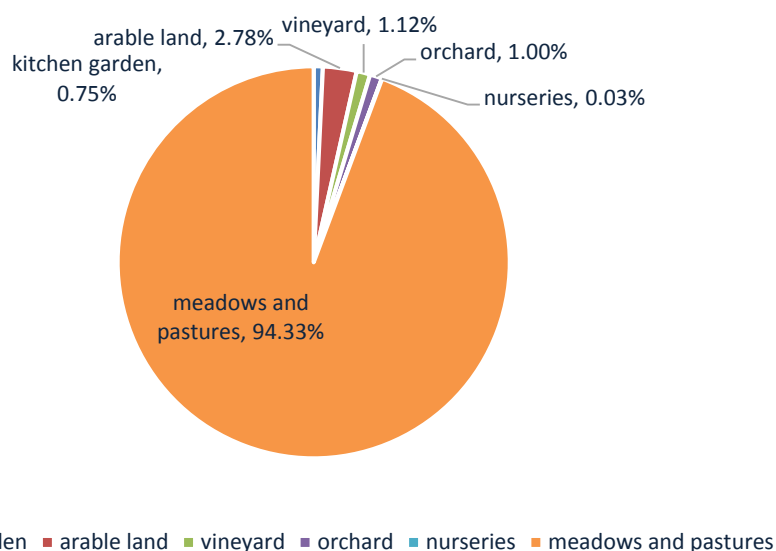
³— hereinafter referred to as 'AC 2010'

Table 3 /continuation/

Agricultural holdings	Class size by utilised agricultural land							
	6.00-<8.00	8.00-<10.00	10.00-<15.00	15.00-<20.00	20.00-<30.00	30.00-<50.00	50.00-<100.00	<100.00
FSS 2016	2 164	1 082	1 584	1 042	1 029	900	587	296
AC 2010	1 067	588	815	342	329	313	441	431

When structure of utilised agricultural land (kitchen garden, arable land, orchards, vineyards, nurseries, and meadows and pastures) is observed, there was no significant change in 2016 compared to 2010. Namely, share of meadows and pastures in total utilised agricultural land in 2016 is 94.3%, while all other categories are in total 5.7%.

Chart 1. Structure utilized agricultural land in 2016



Farm structure survey 2016 indicates a significant increase in utilised agricultural area under arable land, vineyards, orchards as well as meadows and pastures compared to the same areas from 2010.

Table 4. Agricultural holdings by utilised land

Agricultural holdings	ha							
	Total available land		Total agricultural utilised land		Utilised kitchen garden and/or garden		Utilised arable land	
	Number of holdings	Area	Number of holdings	Area	Number of holdings	Area	Number of holdings	Area
FSS 2016	43 791	334 048.8	43 409	255 845.8	40 006	1 922.4	11 191	7 103.9
AC 2010	48 870	309 240.7	48 277	221 297.6	37 010	2 412.8	10 170	4 048.3

Table 4. /continuation/

Agricultural holdings	Vineyards		Orchards		Nurseries		Perennial meadows and pastures	
	Number of holdings	Area	Number of holdings	Area	Number of holdings	Area	Number of holdings	Area
FSS 2016	2 061	2 860.4	8 900	2 551.4	49	74.5	36 363	241 333.2
AC 2010	2 001	2 535.7	5 328	1 529.2	128	32.1	43 142	210 182.0

Livestock fund

Out of total 43 791 agricultural holdings in Montenegro 31 260 agricultural holdings breeding livestock and/or poultry (71.4%). Number of these agricultural holdings is reduced by 4.3% compared to number of holdings with livestock in 2010.

Table 5. Agricultural holdings by number of livestock and poultry

Agricultural holdings	Total number of holdings	Bovine			Sheep			Goats		
		Holdings	Total	Dairy cows	Holdings	Total	Dairy sheeps	Holdings	Total	Dairy goats
FSS 2016	31 260	21 939	89 269	59 583	5 514	191 992	95 243	3 365	31 458	21 429
AC 2010	32 675	24 624	80 209	51 145	6 088	229 037	131 739	3 583	35 756	21 606

Table 5. /continuation/

Agricultural holdings	Pigs			Poultry		Horses, asses, mules	
	Holdings	Total	Breeding sows	Holdings	Number	Holdings	Number
FSS 2016	13 607	55 841	1 966	17 067	835 705	2 775	3 947
AC 2010	13 469	47 673	1 646	16 313	620 802	3 122	4 397

Number of agricultural holdings that breed bovines in 2016 possessed in average 4.1 heads, what show an increase of 24.2% compared to 2010, when the average was 3.3 heads. The highest number of holdings with bovines is in interval from 1 to 2 heads, i.e. 11 684 agricultural holdings.

Table 6. Agricultural holdings with bovines by class sizes of herd

Agricultural holdings	Number of holdings	Class size by total number of bovines							
		No bovine	1 – 2 heads	3 – 9 heads	10 – 19 heads	20 – 29 heads	30 – 49 heads	50 – 99 heads	100 heads and over
FSS 2016	43 791	21 852	11 684	8 512	1 444	179	76	32	12
AC 2010	48 870	24 246	15 024	8 512	917	91	52	21	7

Average number of sheep per agricultural holding in 2016 is 34.8, while in 2010 there was 37.6 compared to the total number of holdings breeding sheep.

Table 7. Agricultural holdings with sheep by class size of herd

Agricultural holdings	Number of holdings	Class size by total number of sheep							
		No sheep	1 – 9 heads	10 – 19 heads	20 – 49 heads	50 – 99 heads	100 – 199 heads	200 – 499 heads	500 heads and over
FSS 2016	43 791	38 277	1 575	1 329	1 430	739	339	82	20
AC 2010	48 870	42 782	1 591	1 474	1 610	808	451	146	8

Average number of goats (among the agricultural holdings breeding goats) in 2016 reduced to 9.3 heads from 10 heads according to the 2010 Census data. The highest number of holdings breeding goats is in interval from 1 to 2 heads.

Table 8. Agricultural holdings with goats by class size of herd

Agricultural holdings	Number of holdings	Class size by total number of goats							
		No goats	1 – 2 heads	3 – 9 heads	10 – 19 heads	20 – 49 heads	50 – 99 heads	100 – 199 heads	200 heads and over
FSS 2016	43 791	40 426	1 524	1 157	303	232	104	37	8
AC 2010	48 870	45 287	1 393	1 452	352	234	97	42	13

Labour force

Total number of actively employed persons in Montenegro interviewed in the farm structure survey in 2016 is 99 236. Compared to the number of actively employed persons enumerated in the 2010 Agricultural Census, it is higher by 0.3%.

As in 2010, the age structure is characterised by a high share of older actively employed persons on holdings. But, in 2016 there is recorded an increase in the share of labour force under 24 years of age. Namely, total number of actively employed persons in 2016 was 7 381, while in 2010 there was 6 732, what represents an increase of 9.6%.

Table 9. Labour Force in agricultural holdings by age groups

Agricultural holdings	Total labour force in holding						
	Montenegro	Under 24 years	Between 25 and 34 years	Between 35 and 44 years	Between 45 and 54 years	Between 55 and 64 years	65 years and over
FSS 2016	99 236	7 381	10 562	14 815	20 690	22 495	23 293
AC 2010	98 949	6 732	11 434	15 810	21 807	19 962	23 204

In 2016 the share of men was 57.7%, while in 2010 Census was 60.4%. Out of total number of women actively employed in agricultural holdings, the highest share is among women over 65 years of age.

Table 10. Labour force in agricultural holdings by sex and age

Agricultural holdings		Total	Under 24 years	Between 24 and 34 years	Between 35 and 44 years	Between 45 and 54 years	Between 55 and 64 years	65 years and over
FSS 2016	Women	41 936	2 659	3 837	6 550	9 247	9 721	9 922
	Men	57 300	4 722	6 725	8 266	11 442	12 774	13 371
AC 2010	Women	39 155	2 550	4 192	6 460	8 489	8 227	9 237
	Men	59 794	4 182	7 242	9 350	13 318	11 735	13 967

METHODOLOGICAL NOTES

Legal basis

The survey is carried out pursuant to the Law on Official Statistics and Official Statistical System (Official Gazette of Montenegro No 18/12), and pursuant to the 2016 Official Statistics Annual Plan (Official Gazette of Montenegro No 71/15). After the 2010 Agricultural Census, this is the first survey on farm structure carried out in Statistical Office. There was previously successfully carried out the pilot survey in April 2016. Instruments for carrying out the survey on structure of agricultural holdings are aligned with the Regulation No 1166/2008 of the European Parliament and Council of 19 November 2008, on farm structure surveys and the survey on agricultural production methods, and Handbook on use of definitions for the farm structure survey. Additionally, there were used: Regulation (EU) No 715/2014 of 26 June 2014 amending Annex III to Regulation No 1166/2008; Regulation No 2015/1391 of 13 August 2015 amending Regulation (EC) 1200/2009 implementing Regulation (EC) No 1166/2008. With purpose of reducing overburden of reporting units, and in line with European Statistics Code of Practice, it was decided to include under this survey also variables for the needs of crop production statistics and livestock statistics, and there were used Regulation No 543/2009 on crop statistics and Regulation 1165/2008 on statistical data on livestock and meat.

Aim of survey

Pursuant to the Annual Plan of Statistical Surveys for 2016, there were carried out five sample surveys in area of agricultural statistics in November 2016: Farm structure survey, three surveys in area of crop production statistics, and Survey on livestock production. The mentioned surveys are brought together in the farm structure survey, to reduce overburden of respondents, interviewers' visits in the same holdings and reduce budget. The farm structure survey provides micro data on employed persons working in agriculture, utilisation of land, data on livestock, and methods for agricultural production, and they are a statistical basis for drafting typology of agricultural holdings, what is a key for the establishment of Farm Accountancy Data Network (FADN) in Montenegro.

Coverage

The survey covers agricultural organizations (agricultural enterprises and cooperatives) and family agricultural holdings engaged in agricultural production. The data about agricultural organization (agricultural enterprises and cooperatives) have been collected by reporting method, and the data about family agricultural holdings by interview method.

Definitions

Family agricultural holding means a single unit both technically and economically with a single management that produces agricultural products.

Utilised agricultural land covers arable land, kitchen garden, orchards, vineyards, nurseries, meadows and pastures regardless of ownership (own land or rented land).

Livestock fund means a number of livestock by types and categories.

Labour force involved in the agricultural production means all persons employed on a regular or occasional basis in activities on agricultural production, both family and non-family.

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