

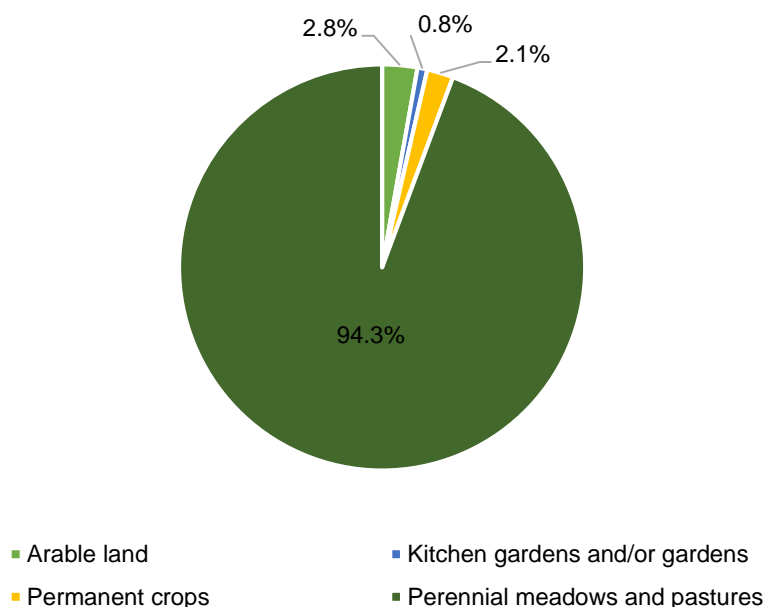
## Crop production 2019 <sup>(p)</sup>

Utilized agricultural land in 2019 is 257 469,6 ha, what is an increase of 0.3% compared to 2018. In total utilized agricultural land areas, perennial meadows and pastures areas prevail with the share of 94.3%, while arable land are present with 2.8%, permanent crops 2.1% and kitchen gardens 0.8%. In comparison with 2018, perennial meadows and pastures area increased by 0.2%, arable land increased by 0.1%, permanent crops increased by 1.0%, while kitchen garden decreased by 0.2%.

Total production of potato in 2019 was 35 462.2 t, what is a rise of 1.6% compared to 2018. An increase in production was also recorded in the following crops: oats (7.4%), maize of grain (1.1%), dry beans (7.8%) and melon (2.4%).

Compared to 2018, the total production of olives was increased, while production of plums, apples, pears, peaches, mandarins and grapes was reduced.

**Graph 1. Utilised agricultural area, 2019**



<sup>(p)</sup> Data are preliminary for 2018 and 2019

**Table 1. Utilised agricultural land by categories, 2019**

	ha		
	2018	2019	Indices <u>2019</u> 2018
<b>Utilised agricultural area</b>	<b>256 807.7</b>	<b>257 469.6</b>	<b>100.3</b>
<b>Arable land</b>	<b>7 199.6</b>	<b>7 204.6</b>	<b>100.1</b>
cereals for grain	2 447.5	2 429.8	99.3
potato	1 618.5	1 625.3	100.4
vegetables, watermelons and melons	1 309.3	1 310.6	100.1
fodder plant	1 612.1	1 587.6	98.5
other plants on arable land and fallow land	212.3	251.3	118.4
<b>Kitchen gardens and/or gardens</b>	<b>2 014.3</b>	<b>2 009.8</b>	<b>99.8</b>
fruits	787.6	787.3	100.0
vineyards	116.6	111.5	95.6
potato	542.2	542.6	100.1
vegetables	567.9	568.4	100.1
<b>Permanent crops</b>	<b>5 480.9</b>	<b>5 537.7</b>	<b>101.0</b>
Orchards	2 570.6	2 587.9	100.7
Orchards - extensive	1 214.6	1 214.6	100.0
Orchards - plantations	1 356.0	1 373.3	101.3
Vineyards - plantations	2 837.9	2 880.0	101.5
Nurseries	72.4	69.8	96.4
<b>Perennial meadows and pastures</b>	<b>242 112.9</b>	<b>242 717.5</b>	<b>100.2</b>

**Table 2. Production of cereals, potatoes and fodder crops on arable land, 2019**

	Area harvested, ha		Indices <u>2019</u> 2018	Production, t		Indices <u>2019</u> 2018	Yield, t/ha	
	2018	2019		2018	2019		2018	2019
Wheat	768.8	770.4	100.2	2 466.9	2 146.5	87.0	3.2	2.8
Ray	182.5	165.0	90.4	444.9	402.2	90.4	2.4	2.4
Barley	395.4	394.2	99.7	1 082.1	982.6	90.8	2.7	2.5
Oats	212.3	213.9	100.8	563.3	605.0	107.4	2.7	2.8
Maize for grain	645.4	639.2	99.0	2 743.3	2 772.6	101.1	4.3	4.3
Other cereals for grain	243.1	245.6	101.0	626.2	586.6	93.7	2.6	2.4
Potato	1 618.5	1 623.8	100.3	26 098.1	26 557.1	101.8	16.1	16.4
Clover	374.8	372.9	99.5	2 507.1	2 539.3	101.3	6.7	6.8
Lucerne	366.6	370.5	101.1	2 342.5	2 437.2	104.0	6.4	6.6
Other fodder crops	973.1	976.8	100.4	10 950.7	11 035.7	100.8	11.3	11.3

**Table 3. Total production of vegetables, watermelons and melons, 2019**

	Area harvested, ha		Indices <u>2019</u> 2018	Production, t		Indices <u>2019</u> 2018	Yield, t/ha	
	2018	2019		2018	2019		2018	2019
Onion	136.5	136.2	99.8	2 739.6	2 532.1	92.4	20.1	18.6
Cabbage	382.3	382.6	100.1	12 509.3	11 380.5	91.0	32.7	29.7
Tomato	146.2	146.1	99.9	4 865.9	4 444.1	91.3	33.3	30.4
Pepper	229.9	229.1	99.7	5 546.0	5 180.3	93.4	24.1	22.6
Cucumber	67.7	68.2	100.7	1 972.5	1 964.1	99.6	29.1	28.8
Watermelon	425.1	425.6	100.1	18 106.8	17 406.1	96.1	42.6	40.9
Melon	65.3	65.7	100.6	1 817.2	1 861.1	102.4	27.8	28.3
Potato	2 165.5	2 165.4	100.0	34 887.7	35 462.2	101.6	16.1	16.4
Other vegetables	402.2	408.2	101.5	6 869.1	6 868.8	100.0	-	-
Dry beans	99.6	101.2	101.6	232.9	251.1	107.8	2.3	2.5

**Table 4. Total production fruits, citrus and olives, 2019**

	2018		2019		Total production indices <u>2019</u> 2018
	Production - total, t	Of that production on plantations,t	Production - total, t	Of that production on plantations,t	
Plums	11 835.8	1 378.6	9 636.7	721.8	81.4
Apples	7 583.4	1 687.5	6 344.1	1 486.8	83.7
Pears	2 298.0	400.2	1 892.6	333.1	82.4
Peaches	1 291.6	1 241.3	1 036.3	984.2	80.2
Mandarins	3 645.4	3 092.9	3 376.4	2 830.8	92.6
Olives	521.3	279.1	574.1	307.5	110.1

**Table 5. Production of grapes, 2019**

	2018		2019		Total production indices <u>2019</u> 2018
	Production - total, t	Of that production on plantations,t	Production - total, t	Of that production on plantations,t	
<b>Total</b>	25 770.2	24 440.6	21 865.0	20 864.0	84.8

**Table 6. Production of hay on meadows, 2019**

	Area, ha		Indices <u>2019</u> 2018	Production, t		Indices <u>2019</u> 2018	Yield, t/ha	
	2018	2019		2018	2019		2018	2019
Meadows	73 592.1	74 095.0	100.7	212 967.0	228 111.3	107.1	2.9	3.1

## METHODOLOGICAL NOTES

### Legal basis

The survey is conducted in accordance with the Law on Official Statistics and Official Statistical System (Official Gazette of Montenegro No 18/12), and in accordance with the Annual Plan of Statistical Surveys for 2019 (Official Gazette of Montenegro No 9/19). For the development of tools for conducting surveys on crop production and autumn sowing, there was used the Regulation No 543/2009 of European Parliament and Council, and manual for conducting annual surveys of statistics of crop production..

### Aim of survey

Survey on achieved yield of late crops, fruit, and grapes collects the data on areas of agricultural land by categories of use, sown and harvested areas per individual crops, total production crops, vegetables, fruits, and grape.

### Coverage

The survey includes agricultural organizations (agricultural enterprises and cooperatives) and private agricultural holdings that are engaged in crop production. Data on agricultural organizations (agricultural enterprises and cooperatives) are collected by reporting method, and data on family agricultural holdings by survey method.

### Definitions

Used agricultural area covers arable land, kitchen gardens and/or gardens, orchards, vineyards, nurseries, meadows and pastures, regardless of the type of ownership (own land or land leased).

Arable lands are areas of land that are regularly used, and crops are sown/planted according to certain order (crop rotation). On arable land there are cultivated grains, industrial crops, potato, fodder crop, vegetables, flowers, seeds, and seedlings.

Kitchen gardens and/or gardens are areas where crop plants (different types of vegetables, potatoes, fruit and vine) are cultivated for the consumption of household members, and that are mainly not intended for the sale. Only occasional surplus of products grown on these areas is sold outside the household.

Other cereals for grain include: buckwheat, millet, sorghum, etc.

Other fodder crops include: green maize, grass mixture, grass-clover mixtures, fodder beet, etc.

Other plants on the arable land include: industrial plants, flowers and ornamental plants and production of seeds and seedlings.

Other vegetables include: carrots, garlic, cauliflower, broccoli, kale, lettuce, spinach, eggplant, zucchini and others.

Harvested area is the area from which crops are harvested and yield was realized.

Plantation orchards are areas under the fruit trees, with certain spacing between lines and rows. Mechanical processing can be carried out in them, and other agro-technical measures are by rule carried out.

Extensive orchards are semi-intensive or extensive fruit crops intended mostly for own consumption. The trees are located on the yards, on the kitchen gardens, on the borders, along the roads, as well as in the trees of different fruit species. The area of extensive orchards is entered only if the area is not recorded as meadows and in case the economic value of the orchard is higher.

Vineyards are plantations of vine intended for the production of grapes.

Plantation vineyards - areas under vine with a certain distance between the vines, in which there can be performed a mechanized processing, and by a rule there are conducted other agro-technical measures.

Nurseries are areas of land on which there are grown young woody plants intended for transplantation later, and include: fruit seedlings, grapevine seedlings, decorative plants and forest trees.

Meadows – land that is permanently (five or more years) used to grow green animal feed, and is not included in the crop rotation.

Pastures – land that is used for grazing of livestock.

*The final data on crop production will be published with the publication of final data on the Farm structure survey in Montenegro.*

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