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Preliminary data

## Crop production

### 2021

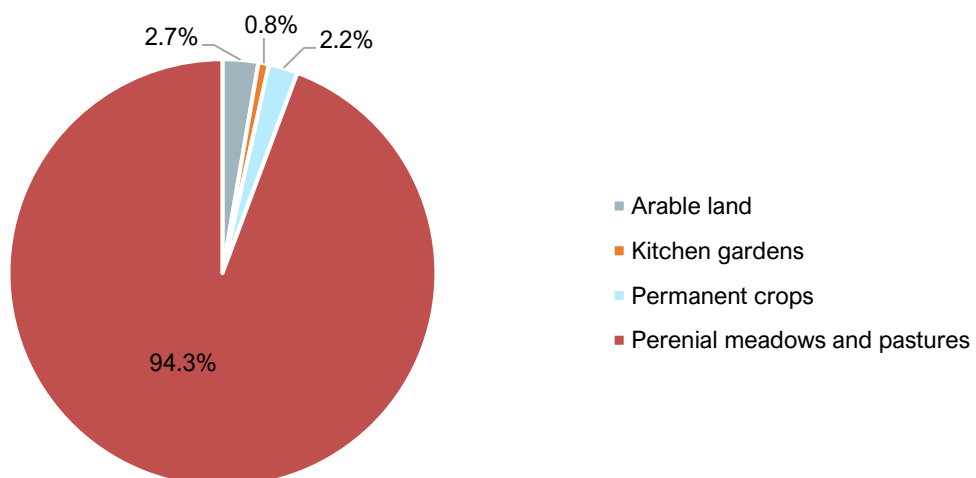
Utilized agricultural land in 2021 is 255 564.4 ha, what is an decreased of 0.9% compared to 2020. In total utilized agricultural land areas, perennial meadows and pastures areas prevail with the share of 94.3%, while arable land are present with 2.7%, permanent crops 2.2% and kitchen gardens 0.8%. In comparison with 2020, perennial meadows and pastures area decreased by 0.9%, arable land by 2.4%, permanent crops by 0.2% and kitchen garden 1.1%.

Total production of maize for grain in 2021 was 2 631.4 t, what is a rise of 3.3% compared to 2020. An increase in production was also recorded in the following crops: onion (1.4%), tomato (1.0%), cucumber (2.2%), watermelon (9.3%) and melon (11.1%).

Compared to 2020, an increase is recorded in total production of: plums (5.0%), apples (5.8%), pears (2.0%), peaches (2.1%) and olives (26.3%), while there was recorded lower production of mandarins (4.0%).

Total production of grapes in 2021 records an increase by 7.5% in comparison with previous year.

**Graph 1.** Utilised agricultural area



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

	2020	2021	Indices 2021 2020
<b>Utilised agricultural area</b>	<b>257 949.8</b>	<b>255 564.4</b>	<b>99.1</b>
<b>Arable land</b>	<b>7 055.3</b>	<b>6 884.4</b>	<b>97.6</b>
cereals for grain	2 299.1	2 279.1	99.1
potato	1 709.5	1 619.9	94.8
vegetables, watermelons and melons	1 258.1	1 248.7	99.3
fodder plant	1 554.2	1 503.0	96.7
other plants on arable land and fallow land	234.4	233.7	99.7
<b>Kitchen gardens and/or gardens</b>	<b>2 038.8</b>	<b>2 015.7</b>	<b>98.9</b>
fruits	748.3	748.5	100.0
vineyards	113.8	111.6	98.1
potato	546.8	524.3	95.9
vegetables	629.9	631.3	100.2
<b>Permanent crops</b>	<b>5 551.3</b>	<b>5 540.8</b>	<b>99.8</b>
Orchards	2 594.8	2 635.2	101.6
Orchards - extensive	1 204.1	1 212.0	100.7
Orchards - plantations	1 390.7	1 423.2	102.3
Vineyards - plantations	2 888.0	2 834.9	98.2
Nurseries	68.5	70.7	103.2
<b>Perennial meadows and pastures</b>	<b>243 304.4</b>	<b>241 123.5</b>	<b>99.1</b>

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

	Area harvested, ha		Indices 2021 2020	Production, t		Indices 2021 2020	Yield, t/ha	
	2020	2021		2020	2021		2020	2021
Wheat	735.2	721.6	98.2	2 238.8	2 055.2	91.8	3.0	2.8
Ray	145.4	140.4	96.6	364.1	317.5	87.2	2.5	2.3
Barley	327.8	318.4	97.1	934.4	872.0	93.3	2.9	2.7
Oats	232.1	227.3	97.9	599.4	596.5	99.5	2.6	2.6
Maize for grain	610.4	619.7	101.5	2 547.0	2 631.4	103.3	4.2	4.2
Other cereals for grain	244.8	249.0	101.7	517.3	547.7	105.9	2.1	2.2
Potato	1 707.5	1 613.0	94.5	29 460.5	27 546.8	93.5	17.3	17.1
Clover	360.9	341.1	94.5	2 671.1	2 573.9	96.4	7.4	7.5
Lucerne	343.9	348.7	101.4	2 667.2	2 641.5	99.0	7.8	7.6
Other fodder crops	992.7	992.7	100.0	13 030.3	12 664.7	97.2	13.1	12.8

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

	Area harvested, ha		Indices <u>2021</u> 2020	Production, t		Indices <u>2021</u> 2020	Yield, t/ha	
	2020	2021		2020	2021		2020	2021
Onion	133.3	136.2	102.2	2 611.4	2 647.5	101.4	19.6	19.4
Cabbage	378.4	364.2	96.2	12 738.3	12 613.4	99.0	33.7	34.6
Tomato	139.7	140.1	100.3	4 568.0	4 612.6	101.0	32.7	32.9
Pepper	224.0	225.5	100.7	5 411.4	5 295.5	97.9	24.2	23.5
Cucumber	66.7	66.6	99.9	2 185.3	2 233.5	102.2	32.8	33.5
Watermelon	406.4	406.6	100.0	15 870.1	17 347.5	109.3	39.1	42.7
Melon	69.3	70.2	101.3	1 707.8	1 897.0	111.1	24.6	27.0
Potato	2 254.2	2137.3	94.8	39 301.9	36 700.7	93.4	17.4	17.2
Other vegetables	427.5	430.4	100.7	7 506.6	7 513.3	100.1	-	-
Dry beans	105.6	105.2	99.6	291.6	287.8	98.7	2.8	2.7

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

	2020		2021		Total production indices <u>2021</u> 2020
	Production - total, t	Of that production on plantations, t	Production - total, t	Of that production on plantations, t	
Plums	11 260.3	842.5	11 823.3	1 228.6	105.0
Apples	7 340.6	1 402.1	7 767.5	1 516.9	105.8
Pears	2 207.9	359.5	2 252.2	347.3	102.0
Peaches	1 254.2	1 192.4	1 280.9	1 221.3	102.1
Mandarins	3 142.4	2 697.1	3 016.5	2 679.8	96.0
Olives	550.2	294.9	694.8	411.7	126.3

**Table 5.** Production of grapes

	2020		2021		Total production indices <u>2021</u> 2020
	Production - total, t	Of that production on plantations, t	Production - total, t	Of that production on plantations, t	
Total	22 711.1	21 268.7	24 405.7	22 998.3	107.5

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

	Area, ha		Indices <u>2021</u> 2020	Production, t		Indices <u>2021</u> 2020	Yield, t/ha	
	2020	2021		2020	2021		2020	2021
Meadows	73 390.6	72 966.8	99.4	229 227.6	223 977.2	97.7	3.1	3.1

## METHODOLOGICAL NOTES

The survey is conducted in accordance with the Law on Official Statistics and Official Statistical System (Official Gazette of Montenegro No 18/12 and 47/19), and in accordance with the Annual Plan of Statistical Surveys for 2021 (Official Gazette of Montenegro No 7/2021). 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.

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.

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.

**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.

When using the data, state:

"Data source: Statistical Office - MONSTAT"

*More data, as well as detailed methodological notes can be found in the section: [Crop production](#)*

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