

RELEASE 98/2023

Preliminary data

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Crop production

2022

Utilized agricultural land in 2022 is 253 671.4 ha, what is a decrease of 0.7% compared to 2021. In total utilized agricultural land areas, perennial meadows and pastures areas prevail with the share of 94.4%, while arable land are present with 2.7%, permanent crops 2.1% and kitchen gardens 0.8%. In comparison with 2021, perennial meadows and pastures area decreased by 0.7%, arable land by 2.3%, permanent crops by 1.7% and kitchen gardens 3.2%.

Total production of maize for grain in 2022 was 2 813.3 t, what is a rise of 6.9% compared to 2021. An increase in production was also recorded in the following crops: onion (1.0%), pepper (0.7%), dry beans (2.8%), watermelon (1.4%) and melon (18.0%).

Compared to 2021, an increase is recorded in total production of: pears (8.2%), peaches (1.5%) and olives (14.1%), while there was recorded lower production of mandarins (4.0%).

Total production of grapes in 2022 records a decrease by 13.2% in comparison with previous year.

Graph 1. Utilized agricultural area

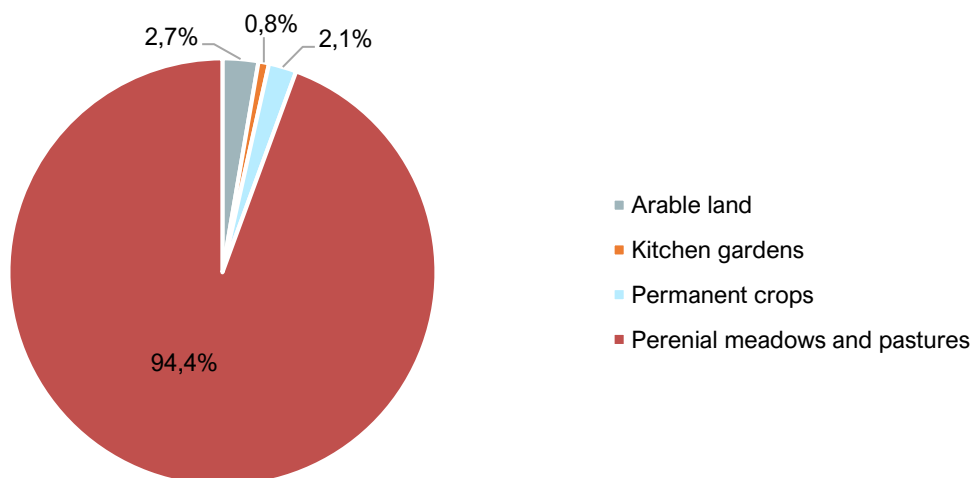


Table 1. Utilized agricultural land by categories

	2021	2022	Indices <u>2022</u> 2021
Utilized agricultural area	255 564.4	253 671.4	99.3
Arable land	6 884.4	6 723.2	97.7
cereals for grain	2 279.1	2 298.1	100.8
potato	1 619.9	1 565.3	96.6
vegetables, watermelons and melons	1 248.7	1 243.6	99.6
fodder plant	1 503.0	1 393.2	92.7
other plants on arable land and fallow land	233.7	223.0	95.4
Kitchen gardens and/or gardens	2 015.7	1 952.0	96.8
fruits	748.5	706.6	94.4
vineyards	111.6	105.1	94.2
potato	524.3	528.8	100.9
vegetables	631.3	611.5	96.9
Permanent crops	5 540.8	5 449.1	98.3
Orchards	2 635.2	2 598.0	98.6
Orchards - extensive	1 212.0	1 172.7	96.8
Orchards - plantations	1 423.2	1 425.3	100.1
Vineyards - plantations	2 834.9	2 784.0	98.2
Nurseries	70.7	67.2	95.0
Perennial meadows and pastures	241 123.5	239 547.1	99.3

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

	Area harvested, ha		Indices <u>2022</u> 2021	Production, t		Indices <u>2022</u> 2021	Yield, t/ha	
	2021	2022		2021	2022		2021	2022
Wheat	721.6	756.6	104.9	2 055.2	2 047.9	99.6	2.8	2.7
Ray	140.4	135.9	96.8	317.5	327.9	103.3	2.3	2.4
Barley	318.4	310.7	97.6	872.0	814.1	93.4	2.7	2.6
Oats	227.3	230.8	101.5	596.5	602.7	101.0	2.6	2.6
Maize for grain	619.7	619.7	100.0	2 631.4	2 813.3	106.9	4.2	4.5
Other cereals for grain	249.0	244.4	98.1	567.7	513.9	90.5	2.2	2.1
Potato	1 613.0	1 565.3	97.0	27 546.8	23 150.9	84.0	17.1	14.8
Clover	341.1	348.7	102.2	2 573.9	2 618.5	101.7	7.5	7.5
Lucerne	348.7	336.7	96.6	2 641.5	2 469.5	93.5	7.6	7.3
Other fodder crops	992.7	981.9	98.9	12 664.7	12 059.2	95.2	12.8	12.3

Table 3. Total production of vegetables, watermelons and melons

	Area harvested, ha		Indices <u>2022</u> <u>2021</u>	Production, t		Indices <u>2022</u> <u>2021</u>	Yield, t/ha	
	2021	2022		2021	2022		2021	2022
Onion	136.2	139.8	102.6	2 647.5	2 674.2	101.0	19.4	19.1
Cabbage	364.2	342.4	94.0	12 613.4	12 004.7	95.2	34.6	35.1
Tomato	140.1	136.8	97.7	4 612.6	4 329.6	93.9	32.9	31.6
Pepper	225.5	219.0	97.1	5 295.5	5 331.0	100.7	23.5	24.3
Cucumber	66.6	67.8	101.7	2 233.5	2 224.8	99.6	33.5	32.8
Watermelon	406.6	417.3	102.6	17 347.5	17 596.0	101.4	42.7	42.2
Melon	70.2	77.7	110.7	1 897.0	2 239.1	118.0	27.0	28.8
Potato	2 137.3	2 094.1	94.0	36 700.7	32 461.6	88.4	17.2	15.5
Other vegetables	430.4	441.1	102.5	7 513.3	7 828.9	104.2	-	-
Dry beans	105.2	101.6	96.6	287.8	295.8	102.8	2.7	2.9

Table 4. Total production fruits, citrus and olives

	2021		2022		Total production indices <u>2022</u> <u>2021</u>
	Production - total, t	Of that production on plantations, t	Production - total, t	Of that production on plantations, t	
Plums	11 823.3	1 228.6	9 665.5	1 265.7	81.7
Apples	7 767.5	1 516.9	7 349.8	1 574.4	94.6
Pears	2 252.2	347.3	2 436.6	349.6	108.2
Peaches	1 280.9	1 221.3	1 300.0	1 254.4	101.5
Mandarins	3 016.5	2 679.8	2 897.2	2 695.6	96.0
Olives	694.8	411.7	792.9	492.1	114.1

Table 5. Production of grapes

	2021		2022		Total production indices <u>2022</u> <u>2021</u>
	Production - total, t	Of that production on plantations, t	Production - total, t	Of that production on plantations, t	
Total	24 405.7	22 998.3	21 172.7	19 945.1	86.8

Table 6. Production of hay on meadows

	Area, ha		Indices <u>2022</u> <u>2021</u>	Production, t		Indices <u>2022</u> <u>2021</u>	Yield, t/ha	
	2021	2022		2021	2022		2021	2022
Meadows	72 966.8	72 261.5	99.0	223 977.2	210 009.0	93.8	3.1	2.9

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](#)