

ECONOMIC ACCOUNTS FOR AGRICULTURE FOR 2022 (FIRST ESTIMATE)

According to the first estimate of the Economic Accounts for Agriculture, the final output of the agricultural 'industry' at basic prices in 2022 amounted to 12 903.2 million BGN. Gross value added at basic prices increased by 9.9% on an annual basis and reached 5 677.1 million BGN, and net entrepreneurial income amounted to 3 633.6 million BGN.

According to the first estimate of Economic Accounts for Agriculture, the final output of the agricultural 'industry' at basic prices¹ in 2022 amounted to 12 903.2 million BGN, which was by 19.7% higher than in the previous year. The increase was due to the rise in prices - by 29.7%, while volumes decreased by 8.7%.

The value of crop output amounted to 9 643.4 million BGN and increased by 19.6% compared to 2021. The increase was due to the significant rise in prices - by 33.9%, while a decrease in volumes was observed - by 10.7%. The drop in volumes of crop output is mainly due to the decrease in volumes of cereals - by 16.3% as a result of lower harvest in 2022, compared to 2021. The increase in prices of all main crops is observed, but the highest was in cereals - by 49.1%, caused by the rise in the prices of wheat and spelt - by 52.3%, rye - by 67.8%, barley - by 61.5% and grain maize - by 40.7%.

The animal output was estimated at 2 405.4 million BGN and increased by 22.5% compared to the previous year. The increase was a result of a rise in prices - by 21.8%, while the volumes were almost at the same level as in 2021, with a slight increase - of 0.6%.

The value of means of production currently consumed in agriculture in 2022 amounted to 7 226.1 million BGN, which was 28.8% higher than the previous year. The increase was due to the rise in the prices - by 31.8%, while the decrease in volumes was observed - by 2.3%.

Gross value added at basic prices produced in agriculture in 2022 was estimated at 5 677.1 million BGN and was 9.9% higher than in 2021. The increase was due to the rise in the prices - by 27.1%, while the volumes decreased by 13.5%.

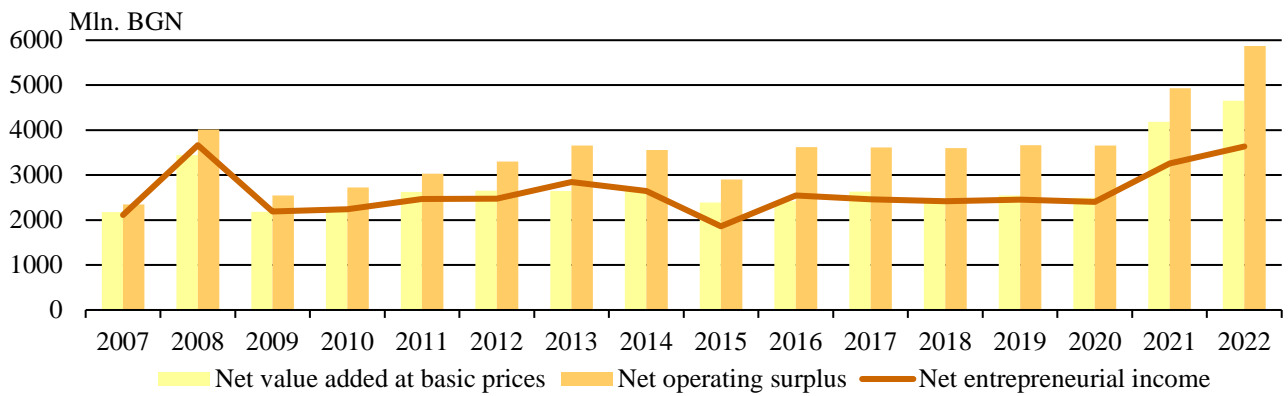
The value index² of income at factor cost increased by 16.5% and net operating surplus/mixed income - by 19.0%, which was due to the increase of prices in agricultural output compared to 2021.

The value index of net entrepreneurial income in agriculture in 2022 increased by 11.4% in comparison to 2021.

¹ Basic prices include subsidies on products but do not include taxes on products.

² Value index of the income in agriculture is calculated as the nominal value of 2021 divided by the nominal value of 2020.

Figure 1. Variation of agricultural income indicators during the period 2007 - 2022



METHODOLOGICAL NOTES

The Economic accounts for Agriculture are satellite accounts in the framework of the National Accounts providing complementary information and concepts adapted to the particular nature of the agricultural industry. They are elaborated according to the Regulation (EC) 138/2004 of the European Parliament and of the Council and adopted by Eurostat methodology presented in the Manual on the Economic Accounts for Agriculture and Forestry, 1997 (Rev. 1.1). The following accounts build up the architecture of the accounts: there are three current accounts - Production account, Generation of income account, Entrepreneurial income account and one for accumulation account - Capital account so that the sequence and exhaustiveness are provided for according to the European System of Accounts (ESA).

Main indicators

The main purpose of the elaboration of the economic accounts is the calculation of the entrepreneurial income for the agricultural 'industry'. The calculation of the income is realized in the frame of the mentioned three current accounts, where the next methodological links were followed:

	Crop output
+	Livestock output
+	Agricultural services
+	Non-agricultural secondary activities (inseparable)
=	Output of the agricultural 'industry'
-	Intermediate consumption
=	Gross value added at basic prices
-	Fixed capital consumption
=	Net value added at basic prices
-	Compensation of employees
-	Other taxes on production
+	Other subsidies on production
=	Net operating surplus/Mixed income
-	Rents paid
-	Interest paid
+	Interest received
=	Net entrepreneurial income

The output of the agricultural 'industry' represents all of the services and products produced by all units with agricultural activity. Data refer to the final output, which does not include goods and services produced and consumed by the same unit for the same period.

According to the requirements of Appendix XI of the EAA 97, Rev. 1.1 the economic accounts for agriculture do not include:

- Output of units engaged in the production of seeds upstream and downstream of multiplication for research or certification and propagation material for crops and livestock

- Output of certain activities which are considered agricultural services - operation or irrigation systems, design, planting and maintenance of gardens, parks and green areas for sports facilities and like tree pruning and hedge trimming
- Output of the form of agricultural work-in-progress for crops whose production is treated as a continuous process for the accounting period or for two calendar years
- Non-agricultural output of agricultural units when the activities are separable

The Net income at factor cost (calculated as net value added at basic prices less other taxes on production plus other subsidies on production) measures the remuneration of all factors of production (land, capital, labour).

The **net operating surplus/net mixed income** (calculated after the deduction of compensation of employees and other taxes on production and adding other subsidies on production from the net value added at basic prices) measures the income from the use of land, capital and non-salaried labour input.

The **net entrepreneurial income** (calculated after adding to the net operating surplus/net mixed income the interests, received by agricultural holdings, operating as companies and deducting the interests and rents, paid by them) measures the compensation of non-salaried labour, the remuneration from land, belonging of agricultural holdings and the income from the use of capital.

Data on the economic accounts for agriculture are elaborated for the calendar year at current and at constant prices based on the previous year. Data are elaborated at a regional NUTS2 level.

Sources of information

The main sources of information are the statistical surveys conducted by the NSI and surveys, carried out by the Agrostatistics Division at the Ministry of Agriculture, Food and Forestry, as well. There are used data of State fund 'Agriculture' (Paying agency) about financial support in agriculture.

Annex

Final output at basic prices - first estimation for 2022

Table 1

	Value for 2022 in Million BGN	Volume index	Price index	Value index 2021 = 100
Output of the agricultural 'industry'	12903.2	92.3	129.7	119.7
Agricultural output	12658.9	92.2	129.9	119.8
Crop output	9643.4	89.3	133.9	119.6
Cereal crops	5528.2	83.7	149.1	124.8
Industrial crops	2992.8	98.2	118.2	116.1
Fodder crops	184.9	96.7	111.1	107.4
Vegetables	382.0	81.5	115.7	94.3
Potatoes	95.9	83.4	136.2	113.6
Fruit	417.7	99.8	115.9	115.7
Other crop products	41.9	95.9	127.0	121.8
Animal output	2405.4	100.6	121.8	122.5
Animals	1189.9	100.7	122.3	123.2
Animal products	1215.5	100.5	121.4	122.0
Agricultural services output	610.1	104.9	106.5	111.7
Non-agricultural secondary activities (inseparable)	244.3	99.6	121.3	120.8
Total intermediate consumption	7226.1	97.7	131.8	128.8
Seeds and planting stock	312.8	111.0	114.6	127.2
Energy and lubricants	1360.7	85.9	133.0	114.2
Fertilisers and soil improvers	1365.3	88.3	208.6	184.2
Plant protection products and pesticides	505.2	100.4	137.1	137.6
Veterinary expenses	229.0	83.4	109.5	91.3
Animal feeding stuffs	1613.9	105.5	128.5	135.6
Maintenance of materials	471.2	110.1	109.3	120.3
Maintenance of buildings	175.7	83.8	119.4	100.1
Agricultural services	610.1	104.9	106.5	111.7
FISIM	78.2	106.5	105.7	112.6
Other goods and services	504.0	106.7	106.6	113.7
Gross value added at basic prices	5677.1	86.5	127.1	109.9
Fixed capital consumption	1019.4	107.2	96.9	103.9
Net value added at basic prices	4657.7	81.7	136.4	111.4
Income at factor cost	7115.9	x	x	116.5
Net operating surplus	5871.0	x	x	119.0
Net entrepreneurial income	3633.6	x	x	111.4