

## ECONOMIC ACCOUNTS FOR AGRICULTURE FOR 2021 (FINAL DATA)

*In 2021, the value of the final output produced in agriculture increased by 37% compared to the previous year to 10 776.2 million BGN. The value of the crop output increased by 54% on an annual basis to 8 065.0 million BGN, and the value of animal output amounted to 1 962.6 million BGN, remaining at the level of the previous year.*

### 1. PRODUCTION ACCOUNT

#### 1.1. Output

In 2021 the value of final output produced in agriculture amounted to 10 776.2 million BGN<sup>1</sup>, which was 37.0% more than the previous year. The increase was due to both the increase in volumes of production - by 18.0% and an increase of prices - by 16.1% compared to 2020.

The value of crop output was equal to 8 065.0 million BGN and represented 74.8% of the total value of agricultural output. In 2021 the majority share of crop output (86.9%) was from cereals and industrial crops, whose values were calculated at 4 429.3 million BGN and 2 578.2 million BGN, respectively.

Compared to 2020, the value of crop output was higher by 54.0%, as a result of both an increase in volumes - by 26.0%, and an increase in prices - by 22.2%. The increase in the volumes of crop output in 2021 was due to the increase in the production of cereals and industrial crops, as a result of the favorable weather conditions.

In 2021 the value of animal output amounted to 1 962.6 million BGN, which represent 18.2% of the final output in agriculture. Compared to 2020, livestock output was at the same level, as a slight drop of volumes was observed - by 0.2%, which was compensated by the price increase - by c 2.0%.

The value of the output of breeding of animals was 966.1 million BGN (49.2% of the output in livestock), while the value of the produced animal products was equal to 996.5 million BGN (50.8% of the output in livestock). Compared to 2020, the value of breeding animals decreased by 2.2%, which was due to decrease in prices - by 5.0%, which could not be compensated with the increase in volumes - by 2.9%. Compared to the previous year, the value of produced animal products increased by 2.3%, which was a result of an increase in prices - by 5.8%, while the volumes decreased by 3.3%.

Comparing with 2020, the value of agricultural services output increased by 18.3%, while the value of output from secondary non-agricultural activities (inseparable) decreased by 0.9%.

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<sup>1</sup> At current prices



## 1.2. Intermediate consumption

In 2021 the value of the goods and services currently consumed in agriculture amounted to 5 612.8 million BGN, which was 26.2% higher than the previous year. The increase was due to the rise both in volumes - by 13.3%, and in prices - by 11.4%.

Compared to 2020, there is an increase in all goods and services currently consumed in agriculture, except veterinary expenses, where was a decrease in value - by 0.4%, due to a drop in volumes - by 2.6%. Compared to the previous year the biggest recorded increase was in the fertilizers, due to the rise both in volumes - by 14.9% and prices - by 41.9%.

## 1.3. Gross value added

The gross value added produced in 2021 in agriculture was equal to 5 163.4 million BGN<sup>2</sup>. It was 51.0% more than the previous year. The increase was due to the significant increase in both volumes - by 24.2% and prices - by 21.6% on an annual basis.

## 2. GENERATION OF INCOME ACCOUNT

In 2021 the net operating surplus/mixed income in agriculture amounted to 4 935.5 million BGN and was 34.6% higher compared to the previous year. The increase was due to the rise of produced by the agriculture in 2021 gross value added compared to the previous year.

## 3. ENTREPRENEURIAL INCOME ACCOUNT

In 2021 the net entrepreneurial income in agriculture amounted to 3 260.8 million BGN and increased by 35.1% compared to the previous year. The growth rate was almost the same as the recorded increase in the net operating surplus.

## 4. CAPITAL ACCOUNT

In 2021 the gross fixed capital formation in agriculture was equal to 871.1 million BGN and compared to the previous year increased by 2.1%.

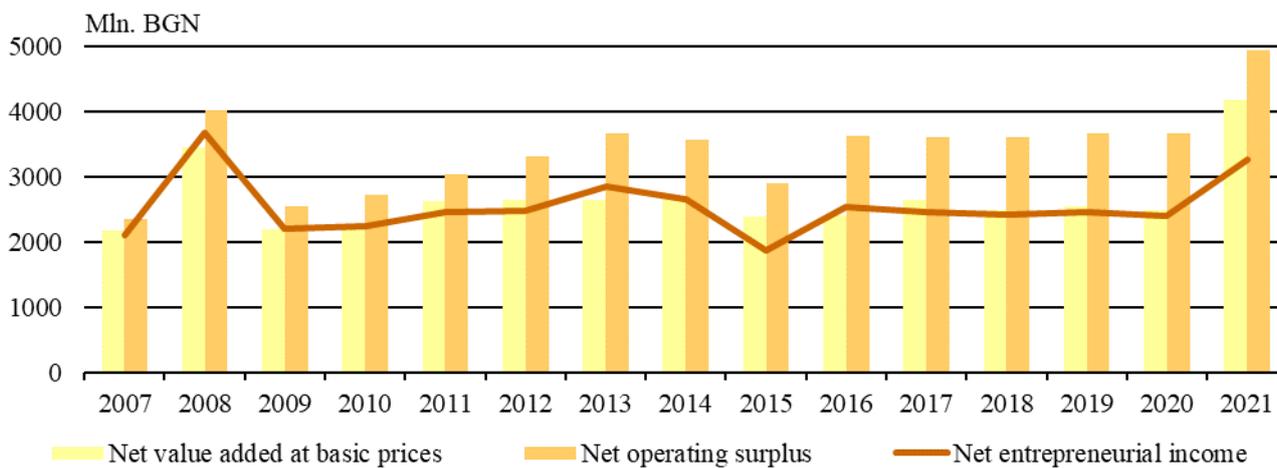
The bigger part of it - 800.7 million BGN (91.9%) represented gross fixed capital formation in non-agricultural products, of which in agricultural machinery, equipment and vehicles - 581.7 million BGN (66.7%), and in buildings - 216.5 million BGN (24.8%).

Gross fixed capital formation in agricultural products (permanent crops and productive animals) in 2021 amounted to 71.0 million BGN.

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<sup>2</sup> At basic prices

**Figure 1. Variation of agricultural income indicators during the period 2007 - 2021**





## 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 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 the certain activities which are considered as 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 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 of 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 NUTS 2 level.

### Sources of information

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



Annex

Table 1

Final output at basic prices - final data for 2021

	Value for 2021 in million BGN	Volume index for 2021	Price index for 2021	Value index 2020 = 100
<b>Output of the 'agricultural industry'</b>	<b>10776.2</b>	<b>118.0</b>	<b>116.1</b>	<b>137.0</b>
<b>Agricultural output</b>	<b>10573.9</b>	<b>118.6</b>	<b>116.4</b>	<b>138.1</b>
<b>Crop output</b>	<b>8065.0</b>	<b>126.0</b>	<b>122.2</b>	<b>154.0</b>
Cereal crops	4429.3	136.2	124.6	169.7
Industrial crops	2578.2	117.9	131.1	154.6
Fodder crops	172.1	124.4	105.5	131.2
Vegetables	405.4	110.2	95.4	105.1
Potatoes	84.4	105.2	109.8	115.5
Fruit	361.2	112.0	96.5	108.1
Other crop products	34.4	107.3	84.1	90.2
<b>Livestock output</b>	<b>1962.6</b>	<b>99.8</b>	<b>100.2</b>	<b>100.0</b>
Livestock	966.1	102.9	95.0	97.8
Livestock products	996.5	96.7	105.8	102.3
<b>Agricultural services output</b>	<b>546.3</b>	<b>114.5</b>	<b>103.3</b>	<b>118.3</b>
<b>Non-agricultural secondary activities (inseparable)</b>	<b>202.3</b>	<b>95.7</b>	<b>103.6</b>	<b>99.1</b>
<b>Total intermediate consumption</b>	<b>5612.8</b>	<b>113.3</b>	<b>111.4</b>	<b>126.2</b>
Seeds and planting stock	245.9	109.8	103.4	113.5
Energy and lubricants	1191.1	114.5	114.6	131.2
Fertilisers and soil improvers	741.6	114.9	141.9	163.0
Plant protection products and pesticides	366.9	112.3	102.2	114.8
Veterinary expenses	250.7	97.4	102.3	99.6
Animal feeding stuffs	1190.7	115.5	112.2	129.6
Maintenance of materials	391.6	112.2	103.2	115.8
Maintenance of buildings	175.6	114.5	105.1	120.3
Agricultural services	546.3	114.5	103.3	118.3
FISIM	69.5	90.5	103.3	93.5
Other goods and services	442.9	120.0	103.3	124.0
<b>Gross value added at basic prices</b>	<b>5163.4</b>	<b>124.2</b>	<b>121.6</b>	<b>151.0</b>
Fixed capital consumption	981.7	104.8	101.4	106.3
<b>Net value added at basic prices</b>	<b>4181.7</b>	<b>131.3</b>	<b>127.6</b>	<b>167.6</b>
<b>Net income at factor cost</b>	<b>6109.9</b>	-	-	<b>128.0</b>
<b>Net operating surplus</b>	<b>4935.5</b>	-	-	<b>134.6</b>
<b>Net entrepreneurial income</b>	<b>3260.8</b>	-	-	<b>135.1</b>