



## ECONOMIC ACCOUNTS FOR AGRICULTURE FOR 2016 (FIRST ESTIMATION)

According to the first estimate of Economic Accounts for Agriculture the value index of net entrepreneurial income<sup>1</sup> in agriculture in 2016 decreased by 16.4% in comparison to 2015. The net operating surplus/mixed income decreased by 4.5% and the net income by factor costs - by 4.1%.

Final output in agricultural industry at basic prices<sup>2</sup> in 2016 amounted to 7 359.7 million BGN, which was by 6.7% lower than in previous year. The decrease was mainly due to drop in the prices - by 5.6% and less in the volumes - by 1.2%. The value of crop output amounted to 4 956.6 million BGN which was 3.5% below than in 2015. The decrease was in result of drop in the prices by 5.7%, which could not be compensated by the increase in the volumes - by 2.4%. The animal output was estimated at 1 744.5 million BGN, which was by 14.3% lower than in 2015. The decrease was due to the both, drop in the prices and in volumes.

The value of means of production currently consumed in agriculture in 2016 amounted to 4 398.5 million BGN, which was by 6.8% lower than in previous year. The decrease was almost equally due to the fall in the prices and in the volumes.

Gross value added at basic prices produced in agriculture in 2016 was estimated at 2 961.2 BGN million and was by 6.6% lower than in 2015. The decrease was entirely due to fall in the prices - by 8.8%, which could not be compensated by the increase in volumes - by 2.4%.

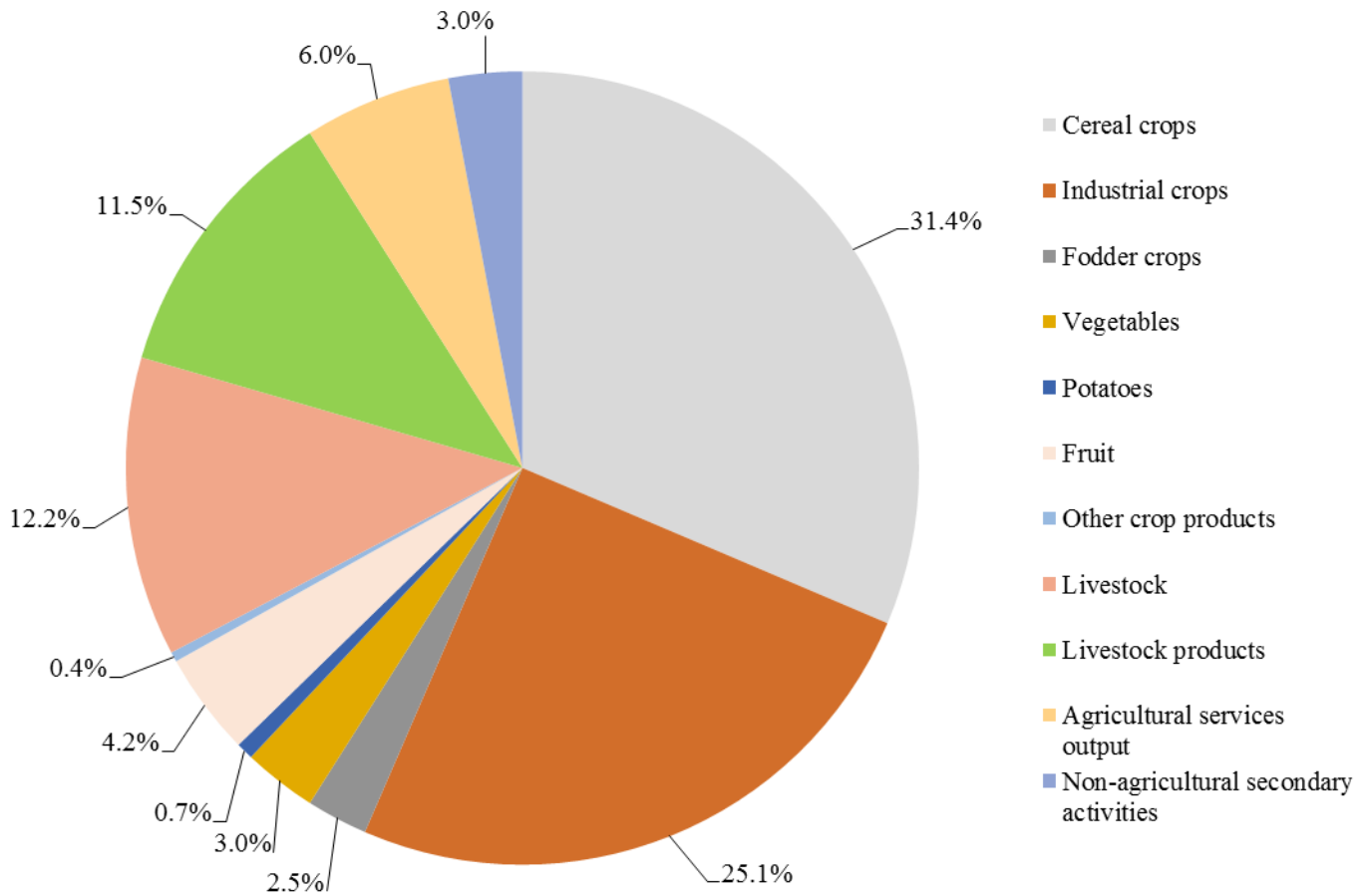
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<sup>1</sup> The value index of net entrepreneurial income in agriculture was calculated as ratio of the nominal values of indicator in 2016 and in 2015.

<sup>2</sup> Basic prices include subsidies on products but do not include taxes on products.



**Figure. 1. Structure of the final output in agriculture by main groups at basic price for 2016**





## 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 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                          |

**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 the Appendix XI of the EAA '97, Rev. 1.1 the economic accounts for agriculture do not include:

- Output of units engaged in 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 labor 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 previous year. Data are elaborated at regional NUTS2 level.

#### **Sources of information**

The main sources of information are the statistical surveys conducted by the NSI - quarterly survey on economic accounts in agriculture, Annual Report of the non-financial enterprises, Annual Report of agricultural holdings and the regular surveys, carried out by the Agrostistics Division at the Ministry of Agriculture and Food as well.



Annex

Table 1

Final output at basic prices - first estimation for 2016

|  | Value for 2016<br>in Million<br>BGN | Volume index | Price index | Value index<br>2015 = 100 |
|--|-------------------------------------|--------------|-------------|---------------------------|
| <b>Output of the agricultural 'industry'</b>                   | <b>7359.7</b>                       | <b>98.8</b>  | <b>94.4</b> | <b>93.3</b>               |
| <b>Agricultural output</b>                                     | <b>7140.9</b>                       | <b>98.9</b>  | <b>94.3</b> | <b>93.3</b>               |
| <b>Crop output</b>   | <b>4956.6</b>                       | <b>102.4</b> | <b>94.3</b> | <b>96.5</b>               |
| Cereal crops   | 2312.2                              | 103.3        | 93.2        | 96.2                      |
| Industrial crops   | 1850.7                              | 106.8        | 91.5        | 97.8                      |
| Fodder crops   | 185.3                               | 97.2         | 152.3       | 148.0                     |
| Vegetables   | 220.3                               | 101.7        | 76.9        | 78.1                      |
| Potatoes   | 52.5                                | 88.1         | 94.3        | 83.1                      |
| Fruit  | 306.6                               | 81.3         | 112.6       | 91.5                      |
| Other crop products  | 29.0                                | 50.9         | 164.8       | 83.8                      |
| <b>Livestock output</b>  | <b>1744.5</b>                       | <b>91.8</b>  | <b>93.3</b> | <b>85.7</b>               |
| Livestock  | 898.7                               | 84.7         | 93.8        | 79.5                      |
| Livestock products   | 845.8                               | 100.6        | 92.9        | 93.4                      |
| <b>Agricultural services output</b>                            | <b>439.8</b>                        | <b>91.7</b>  | <b>98.8</b> | <b>90.6</b>               |
| <b>Non-agricultural secondary activities<br/>(inseparable)</b> | <b>218.8</b>                        | <b>97.6</b>  | <b>97.1</b> | <b>94.8</b>               |
| <b>Total intermediate consumption</b>                          | <b>4398.5</b>                       | <b>96.5</b>  | <b>96.6</b> | <b>93.2</b>               |
| Seeds and planting stock                                       | 200.5                               | 110.8        | 104.1       | 115.3                     |
| Energy and lubricants  | 1095.3                              | 107.1        | 90.4        | 96.9                      |
| Fertilisers and soil improvers                                 | 362.7                               | 122.5        | 80.6        | 98.8                      |
| Plant protection products and pesticides                       | 276.2                               | 73.2         | 104.1       | 76.2                      |
| Veterinary expenses  | 250.3                               | 96.3         | 99.2        | 95.5                      |
| Animal feeding stuffs  | 951.8                               | 92.3         | 101.3       | 93.5                      |
| Maintenance of materials                                       | 315.8                               | 85.9         | 111.2       | 95.5                      |
| Maintenance of buildings                                       | 154.9                               | 95.7         | 99.8        | 95.6                      |
| Agricultural services  | 439.8                               | 91.7         | 98.8        | 90.6                      |
| FISIM  | 76.2                                | 83.8         | 98.7        | 82.7                      |
| Other goods and services                                       | 275.0                               | 83.3         | 98.8        | 82.3                      |
| <b>Gross value added at basic prices</b>                       | <b>2961.2</b>                       | <b>102.4</b> | <b>91.2</b> | <b>93.4</b>               |
| Fixed capital consumption                                      | 730.0                               | 97.0         | 99.0        | 96.0                      |
| <b>Net value added at basic prices</b>                         | <b>2231.2</b>                       | <b>104.1</b> | <b>89.0</b> | <b>92.6</b>               |