



## PRESS RELEASE

### INPUT AND OUTPUT PRICE INDICES IN AGRICULTURE – LIVESTOCK: November 2017

The evolution of the Input and Output Price Indices in Agriculture – Livestock, with base year 2010=100.0 for November 2017, on the basis of provisional data, is as follows:

The Output Price Index in Agriculture – Livestock (excluding subsidies) increased by 1.5% in November 2017, compared with November 2016. The corresponding index in November 2016 had recorded a decrease of 0.5% compared with November 2015 (Table 1).

The Output Price Index in November 2017 decreased by 1.8% in comparison with October 2017 (Table 2).

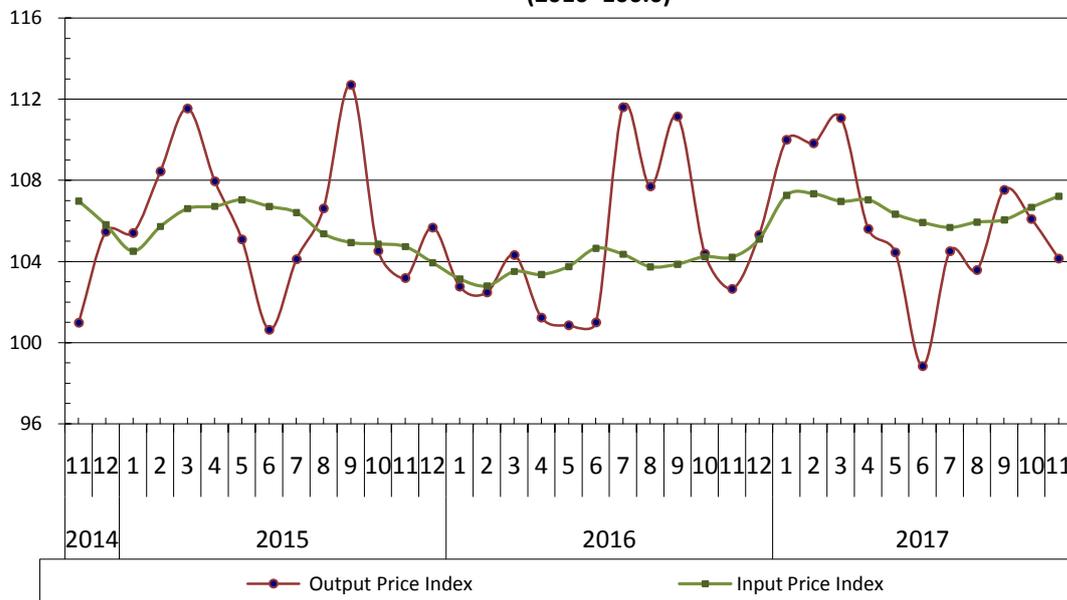
The twelve-month weighted average index from December 2016 to November 2017 increased by 1.0%, compared with the corresponding index of the period from December 2015 to November 2016 (Table 3).

The Input Price Index in Agriculture – Livestock in November 2017 increased by 2.9%, compared with November 2016. The corresponding index in November 2016 had recorded a decrease of 0.5% compared with November 2015 (Table 4).

The Input Price Index in November 2017 increased by 0.5% in comparison with October 2017 (Table 5).

The twelve-month average index from December 2016 to November 2017 increased by 2.6%, compared with the corresponding index of the period from December 2015 to November 2016 (Table 6).

**Graph 1. Evolution of Input and Output Price Indices in Agriculture – Livestock (2010=100.0)**



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The increase of 1.5% in the Output Price Index in November 2017 compared with November 2016 is on account of (Table 1):

- increase 1.3% of the price index in crop output group; and mainly on the rates of change of the groups: fruits, olive oil, industrial crops
- increase 2.4% of the price index in animal output group due to the rates of change of the groups: animal products, animals.

The increase of 2.9% in the Input Price Index in November 2017 compared with November 2016 is on account of (Table 4):

- increase 3.3% of the price index in goods and services currently consumed in agriculture group; and mainly on the rates of change of the groups: energy and lubricants, maintenance of materials
- increase 1.7% of the price index in goods and services contributing to agricultural investment group; and mainly on the rates of change of the group: materials.

**Table 1. Annual rates of change of the Output Price Indices in Agriculture – Livestock**

**Base year: 2010=100.0**

Code	Main groups	Weighting coefficient	November			Change (%)	
			2017	2016	2015	2017/2016	2016/2015
140000	AGRICULTURAL GOODS OUTPUT	8,803	104.2	102.7	103.2	1.5	-0.5
100000	CROP OUTPUT	7,644	104.2	102.8	102.9	1.3	-0.1
010000	Cereals (including seeds)	2,011	103.4	104.7	111.8	-1.2	-6.3
020000	Industrial crops	1,506	85.7	84.9	74.0	1.0	14.7
030000	Forage plants	316	85.1	93.5	102.4	-8.9	-8.7
040000	Vegetables and horticultural Products	1,356	88.6	88.5	92.8	0.1	-4.6
050000	Potatoes (including seeds)	251	79.9	104.4	99.0	-23.5	5.4
060000	Fruits	1,456	116.5	108.9	110.9	7.0	-1.8
070000	Wine (incl. must)	35	105.9	108.4	107.5	-2.3	0.8
080000	Olive oil	690	168.1	154.6	144.0	8.7	7.4
090000	Other crop products	23	116.4	119.3	115.9	-2.5	2.9
130000	ANIMAL OUTPUT	1,159	104.2	101.7	105.3	2.4	-3.4
110000	Animals	724	101.4	99.9	101.3	1.5	-1.4
120000	Animal products	435	108.8	104.8	111.9	3.8	-6.4

*Note: The indices and the percentage changes are published rounded up to one decimal figure.*

**Table 2. Monthly rates of change of the Output Price Indices in Agriculture – Livestock**

**Base year: 2010=100.0**

Code	Main groups	Weighting coefficient	November 2017	October 2017	Change (%)	November 2016	October 2016	Change (%)
140000	AGRICULTURAL GOODS OUTPUT	100,000	104.2	106.1	-1.8	102.7	104.4	-1.7
100000	CROP OUTPUT	70,812	104.2	106.4	-2.1	102.8	104.5	-1.6
010000	Cereals (including seeds)	9,708	103.4	104.6	-1.1	104.7	104.3	0.4
020000	Industrial crops	5,227	85.7	84.9	0.9	84.9	82.7	2.6
030000	Forage plants	3,963	85.1	86.4	-1.4	93.5	93.5	-0.1
040000	Vegetables and horticultural products	20,594	88.6	87.1	1.7	88.5	86.5	2.3
050000	Potatoes (including seeds)	3,442	79.9	78.8	1.4	104.4	101.8	2.5
060000	Fruits	19,047	116.5	125.7	-7.3	108.9	126.3	-13.7
070000	Wine (incl. must)	415	105.9	105.9	0.0	108.4	108.4	0.0
080000	Olive oil	8,280	168.1	173.7	-3.3	154.6	142.9	8.1
090000	Other crop products	137	116.4	117.6	-1.0	119.3	119.3	0.0
130000	ANIMAL OUTPUT	29,188	104.2	104.2	-0.1	101.7	103.4	-1.7
110000	Animals	14,677	101.4	102.4	-0.9	99.9	101.6	-1.7
120000	Animal products	14,511	108.8	108.5	0.3	104.8	107.6	-2.7

*Note: The indices and the percentage changes are published rounded up to one decimal figure.*

Table 3. Evolution of the Output Price Index in Agriculture – Livestock

Base year: 2010=100.0

Year and month		Overall Index	Monthly rates of change (%)	Annual rates of change (%)	12-month weighted average index (moving average)	12-month weighted moving average rates of change (%)
<b>2015:</b>	1	105.4	-0.1	3.5	101.6	-1.5
	2	108.4	2.9	6.1	102.1	-1.1
	3	111.5	2.9	8.2	102.7	-0.5
	4	108.0	-3.2	8.5	103.4	0.4
	5	105.1	-2.6	5.7	103.9	1.0
	6	100.6	-4.2	3.0	104.1	1.5
	7	104.1	3.4	3.9	104.4	2.1
	8	106.6	2.4	8.5	105.0	3.1
	9	112.7	5.7	6.3	105.7	3.9
	10	104.5	-7.3	3.4	106.1	4.7
	11	103.2	-1.3	2.2	106.3	4.9
	12	105.7	2.4	0.2	106.3	4.8
<b>Annual average</b>		<b>106.3</b>			<b>106.3</b>	<b>4.8</b>
<b>2016:</b>	1	102.8	-2.8	-2.5	106.1	4.4
	2	102.5	-0.3	-5.5	105.7	3.6
	3	104.3	1.8	-6.5	105.2	2.4
	4	101.3	-3.0	-6.2	104.6	1.1
	5	100.9	-0.4	-4.0	104.3	0.4
	6	101.0	0.1	0.4	104.3	0.2
	7	111.6	10.5	7.2	104.9	0.5
	8	107.7	-3.5	1.0	105.0	0.0
	9	111.2	3.2	-1.4	104.8	-0.8
	10	104.4	-6.1	-0.1	104.8	-1.2
	11	102.7	-1.7	-0.5	104.8	-1.4
	12	105.3	2.6	-0.4	104.8	-1.5
<b>Annual average</b>		<b>104.8</b>			<b>104.8</b>	<b>-1.5</b>
<b>2017:</b>	1	110.0	4.5	7.0	105.2	0.9
	2	109.8	-0.2	7.2	105.7	0.0
	3	111.1	1.1	6.5	106.2	1.0
	4	105.6	-4.9	4.3	106.6	1.9
	5	104.5	-1.1	3.6	106.9	2.5
	6	98.9	-5.4	-2.1	106.7	2.3
	7	104.5	5.7	-6.4	106.1	1.1
	8	103.6	-0.9	-3.8	105.8	0.8
	9	107.5	3.8	-3.2	105.5	0.6
	10	106.1	-1.3	1.6	105.7	0.8
	11	104.2	-1.8	1.5	105.8	1.0
	12					
<b>Annual average</b>						

Note: The indices and the percentage changes are published rounded up to one decimal figure.

**Table 4. Annual rates of change of the Input Price Indices in Agriculture – Livestock**

Base year: 2010=100.0

Code	Main groups	Weighting coefficient	November			Change (%)	
			2017	2016	2015	2017/2016	2016/2015
220000	INPUT TOTAL	100,000	107.2	104.2	104.7	2.9	-0.5
200000	GOODS AND SERVICES CURRENTLY CONSUMED IN AGRICULTURE	72,986	109.0	105.5	106.3	3.3	-0.7
201000	Seeds and planting stock	4,465	104.6	105.4	104.5	-0.8	0.9
202000	Energy and lubricants	22,215	110.7	98.1	97.9	12.9	0.2
203000	Fertilizers and soil improvers	5,634	116.0	115.6	119.4	0.3	-3.1
204000	Plant protection products and pesticides	3,618	102.7	102.2	102.2	0.5	0.0
205000	Veterinary expenses	1,488	106.8	104.8	105.0	1.8	-0.2
206000	Animal feedingstuffs	28,083	107.3	108.7	110.8	-1.2	-2.0
207000	Maintenance of materials	2,778	109.7	106.5	106.5	3.0	0.0
208000	Maintenance of buildings	261	99.2	98.0	98.7	1.2	-0.7
209000	Other goods and services	4,444	111.9	112.2	108.3	-0.3	3.6
210000	GOODS AND SERVICES CONTRIBUTING TO AGRICULTURAL INVESTMENT	27,014	102.5	100.8	100.6	1.7	0.2
211000	Materials	21,685	105.1	103.1	102.6	2.0	0.5
211110	Rotovators and other 2 wheel equipment	1,483	98.1	97.2	98.6	0.9	-1.4
211120	Machinery and plant for cultivation	2,155	110.9	109.9	108.6	0.9	1.2
211130	Machinery and plant for harvesting	2,080	105.1	104.0	103.2	1.0	0.8
211140	Farm machinery and installations	4,214	104.2	104.0	103.1	0.2	0.8
211210	Tractors	613	103.4	104.0	104.1	-0.5	-0.1
211290	Other vehicles	11,140	105.4	102.0	101.5	3.3	0.5
212000	Buildings	5,329	92.1	91.6	92.7	0.5	-1.1

Note: The indices and the percentage changes are published rounded up to one decimal figure.

**Table 5. Monthly rates of change of the Input Price Indices in Agriculture – Livestock**

Base year: 2010=100.0

Code	Main groups	Weighting coefficient	November 2017	October 2017	Change (%)	November 2016	October 2016	Change (%)
220000	INPUT TOTAL	100,000	107.2	106.7	0.5	104.2	104.2	0.0
200000	GOODS AND SERVICES CURRENTLY CONSUMED IN AGRICULTURE	72,986	109.0	108.2	0.7	105.5	105.5	-0.1
201000	Seeds and planting stock	4,465	104.6	104.9	-0.3	105.4	105.6	-0.2
202000	Energy and lubricants	22,215	110.7	108.3	2.2	98.1	98.8	-0.7
203000	Fertilizers and soil improvers	5,634	116.0	116.3	-0.2	115.6	117.3	-1.4
204000	Plant protection products and pesticides	3,618	102.7	102.7	0.0	102.2	102.2	0.0
205000	Veterinary expenses	1,488	106.8	106.6	0.1	104.8	104.6	0.2
206000	Animal feedingstuffs	28,083	107.3	106.7	0.6	108.7	108.6	0.1
207000	Maintenance of materials	2,778	109.7	107.8	1.7	106.5	106.5	0.0
208000	Maintenance of buildings	261	99.2	98.9	0.3	98.0	98.1	0.0
209000	Other goods and services	4,444	111.9	116.5	-4.0	112.2	107.9	4.0
210000	GOODS AND SERVICES CONTRIBUTING TO AGRICULTURAL INVESTMENT	27,014	102.5	102.5	0.0	100.8	100.7	0.1
211000	Materials	21,685	105.1	105.1	0.0	103.1	103.0	0.1
211110	Rotovators and other 2 wheel equipment	1,483	98.1	98.1	0.0	97.2	97.2	0.0
211120	Machinery and plant for cultivation	2,155	110.9	110.9	0.0	109.9	109.8	0.1
211130	Machinery and plant for harvesting	2,080	105.1	105.1	0.0	104.0	104.0	0.0
211140	Farm machinery and installations	4,214	104.2	104.2	-0.1	104.0	103.7	0.3
211210	Tractors	613	103.4	103.4	0.0	104.0	104.0	0.0
211290	Other vehicles	11,140	105.4	105.4	0.0	102.0	101.9	0.1
212000	Buildings	5,329	92.1	92.0	0.1	91.6	91.5	0.1

Note: The indices and the percentage changes are published rounded up to one decimal figure.

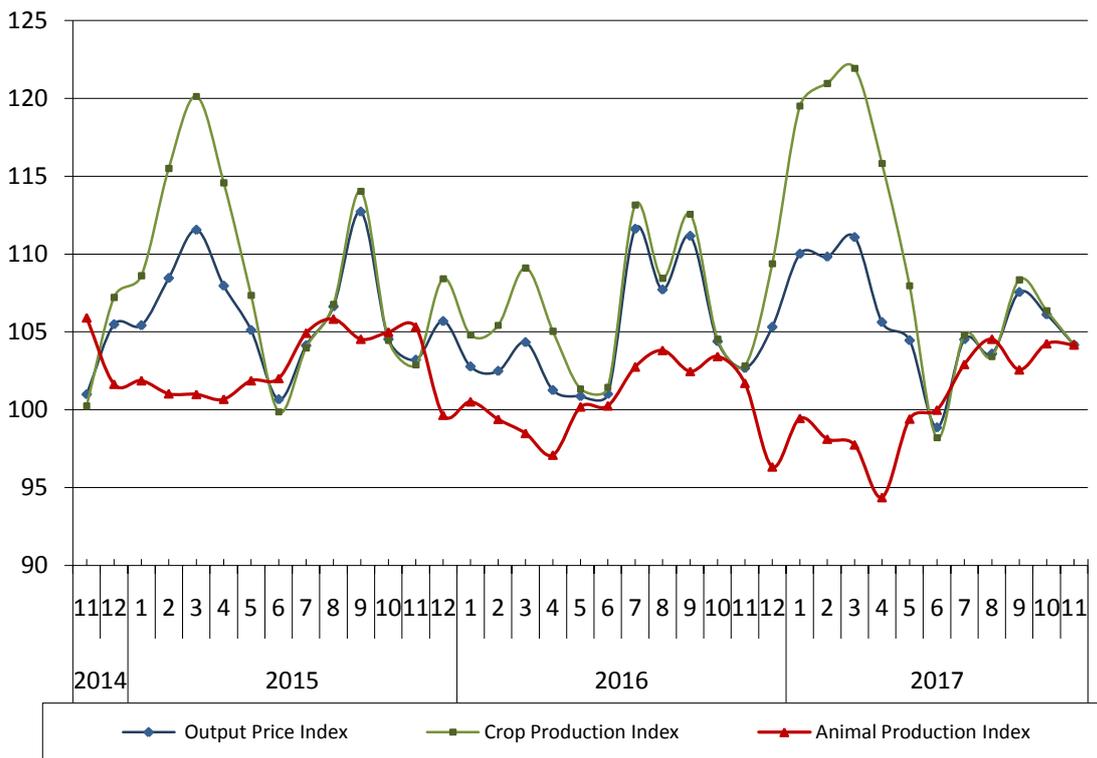
Table 6. Evolution of the Input Price Index in Agriculture – Livestock

Base year: 2010=100.0

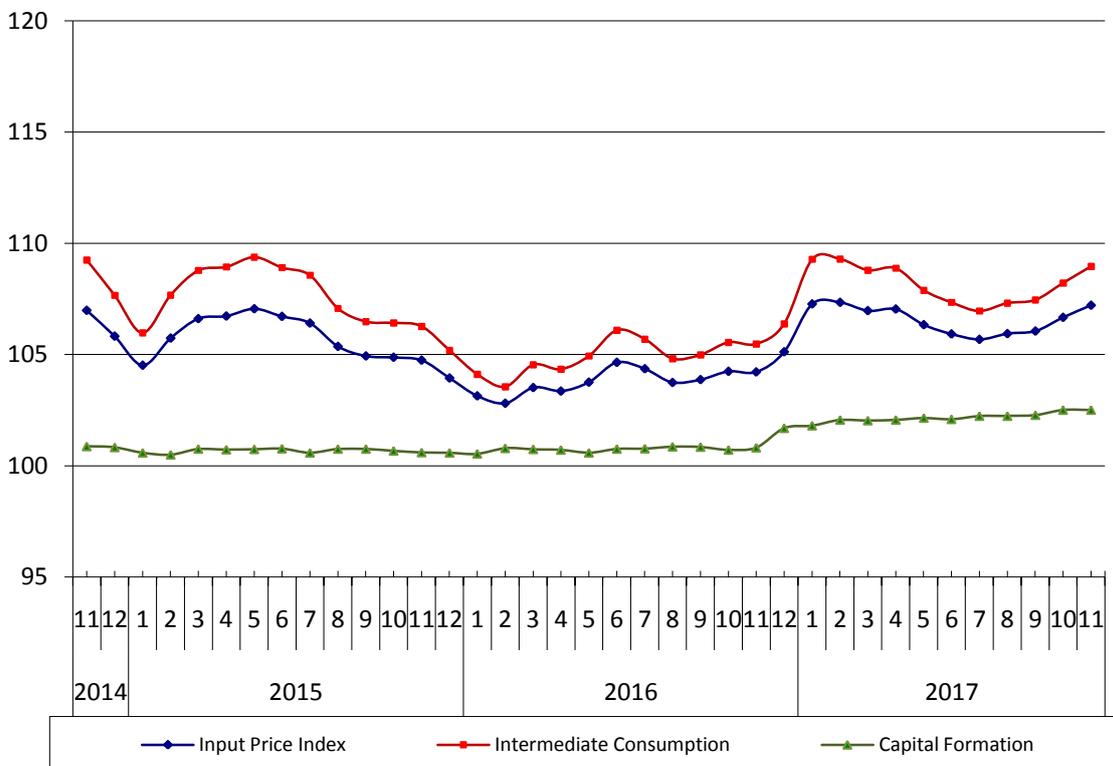
Year and month		Overall Index	Monthly rates of change (%)	Annual rates of change (%)	12-month average index (moving average)	12-month moving average rates of change (%)
<b>2015:</b>	1	104.5	-1.2	-3.8	107.7	-2.6
	2	105.7	1.2	-2.6	107.4	-2.5
	3	106.6	0.8	-1.5	107.3	-2.4
	4	106.7	0.1	-1.7	107.1	-2.3
	5	107.1	0.3	-1.4	107.0	-2.2
	6	106.7	-0.3	-1.6	106.9	-2.1
	7	106.4	-0.3	-1.6	106.7	-2.0
	8	105.4	-1.0	-2.7	106.5	-2.0
	9	104.9	-0.4	-2.6	106.2	-2.1
	10	104.9	0.0	-2.8	106.0	-2.2
	11	104.8	-0.1	-2.1	105.8	-2.3
	12	104.0	-0.8	-1.7	105.6	-2.2
<b>Annual average</b>		<b>105.6</b>			<b>105.6</b>	<b>-2.2</b>
<b>2016:</b>	1	103.1	-0.8	-1.3	105.5	-2.0
	2	102.8	-0.3	-2.8	105.3	-2.0
	3	103.5	0.7	-2.9	105.0	-2.1
	4	103.4	-0.2	-3.2	104.7	-2.2
	5	103.8	0.4	-3.1	104.5	-2.4
	6	104.7	0.9	-1.9	104.3	-2.4
	7	104.4	-0.3	-1.9	104.1	-2.4
	8	103.7	-0.6	-1.5	104.0	-2.3
	9	103.9	0.1	-1.0	103.9	-2.2
	10	104.2	0.4	-0.6	103.8	-2.0
	11	104.2	0.0	-0.5	103.8	-1.9
	12	105.1	0.9	1.1	103.9	-1.6
<b>Annual average</b>		<b>103.9</b>			<b>103.9</b>	<b>-1.6</b>
<b>2017:</b>	1	107.3	2.1	4.0	104.2	-1.2
	2	107.3	0.1	4.4	104.6	-0.6
	3	107.0	-0.3	3.3	104.9	-0.1
	4	107.0	0.1	3.6	105.2	0.5
	5	106.3	-0.7	2.5	105.4	0.9
	6	105.9	-0.4	1.2	105.5	1.2
	7	105.7	-0.2	1.3	105.6	1.5
	8	105.9	0.2	2.1	105.8	1.8
	9	106.1	0.1	2.1	106.0	2.0
	10	106.7	0.6	2.3	106.2	2.3
	11	107.2	0.5	2.9	106.5	2.6
	12					
<b>Annual average</b>						

Note: The indices and the percentage changes are published rounded up to one decimal figure.

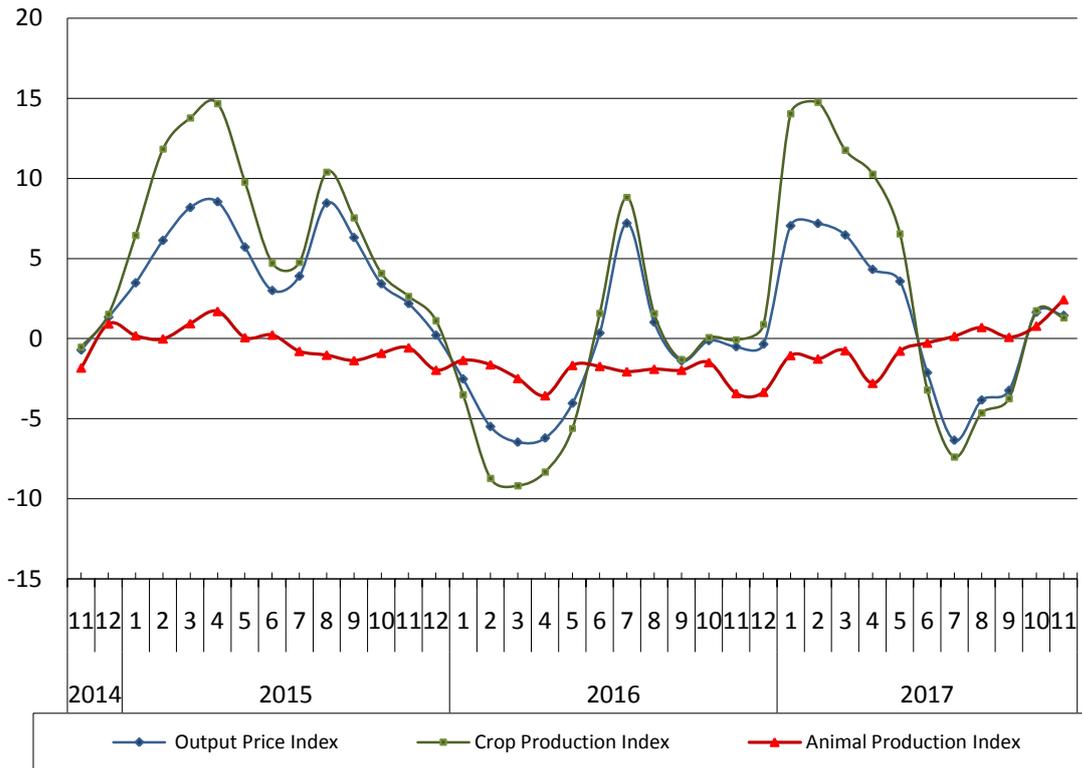
**Graph 2. Evolution of the Output Price Index in Agriculture – Livestock and of the sub-indices of Crop and Animal Production (2010=100.0)**



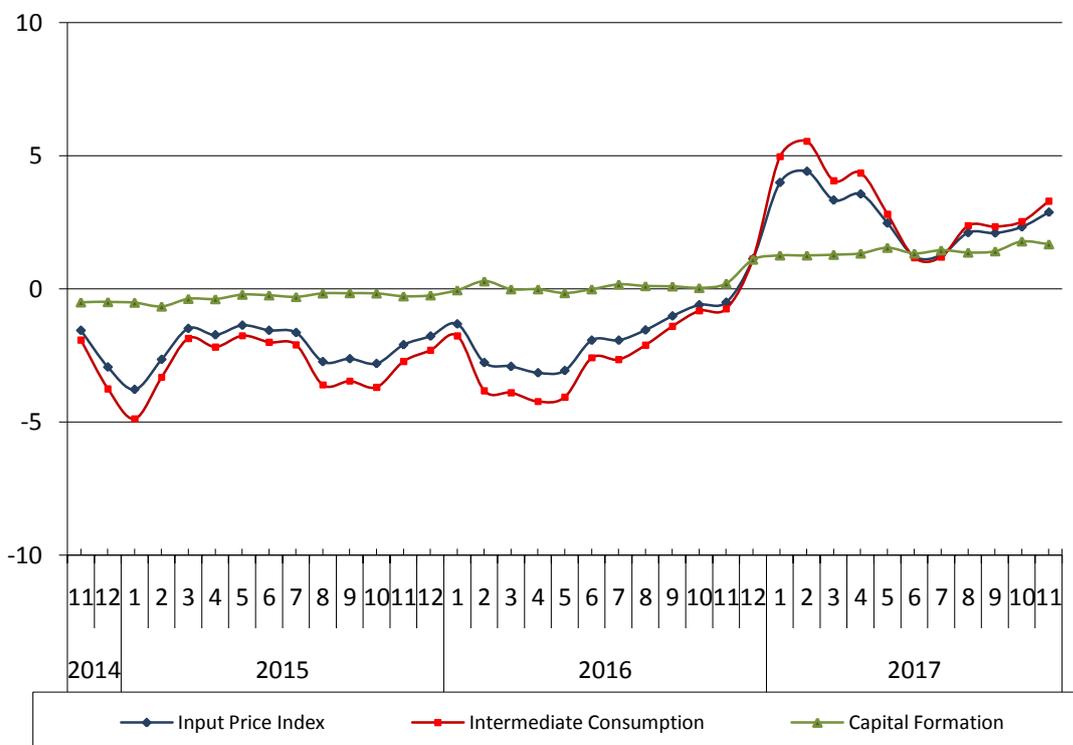
**Graph 3. Evolution of the Input Price Index in Agriculture – Livestock and of the sub-indices of Intermediate Consumption and Capital Formation (2010=100.0)**



**Graph 4. Annual rates of change of the Output Price Index in Agriculture – Livestock and of the sub-indices of Crop and Animal Production (2010=100.0)**



**Graph 5. Annual rates of changes of the Input Price Index in Agriculture – Livestock and of the sub-indices of Intermediate Consumption and Capital Formation (2010=100.0)**



## METHODOLOGICAL NOTES

<b>Generally</b>	The compilation of the Input and Output Price Indices in Agriculture and Livestock started in 1967 with base year 1966=100.0. These indices are released with their current form since April 2013, with base year 2010=100.0 and the time series were revised accordingly.
<b>Purpose of the indices– definitions</b>	<p>The purpose of the Output Price Index is to measure the relative change in the prices that the producers receive in the agricultural – livestock sector from the sale of their products. The purpose of the Input Price Index is to measure the change in the prices paid by producers for the purchase of the means, goods and services used in the production process.</p> <p>The Output Price Index is composed of the crop and the animal output sub-indices. The Input Price Index consists of the sub-indices of intermediate consumption and of fixed capital formation goods.</p> <p>As regards the Output Price Index, the prices collected are the market prices of the products. The market price is defined as the price received by the producer without subsidies, transport expenses and excluding VAT or other taxes or levies.</p> <p>As regards the Input Price Index, the collected prices refer to the prices paid for by the producers to buy the goods and services they need for their agricultural and livestock production, excluding VAT and transport expenses.</p>
<b>Legal basis</b>	The compilation of the Input and Output Price Indices in the Agriculture and Livestock sector is based on voluntary agreements between Eurostat and the Member States. The foundations for these agreements were laid in the early seventies.
<b>Reference period</b>	Month.
<b>Base year</b>	2010=100.0.
<b>Revision</b>	The Input and Output Price Indices are fixed-basis indices. The most recent revision took place with base year 2010=100.0, with April 2013 as first reference month. The revision was carried out in the framework of the agreement between EU Member States and the European Union (EU), according to which, for reasons of comparability, these indices have to be revised every five (5) years and more specifically in the years ending in 0 and 5.
<b>Statistical classification</b>	According to the common methodology used by the EU Member States and Eurostat, the groups of products of the Agricultural Price Indices follow the same classification of the groups as in EAA (Economic Agricultural Accounts).
<b>Geographical coverage</b>	The indices cover the whole country.
<b>Coverage of economic activities</b>	The Input and Output Price Indices cover the transactions for products and services in the sector of agriculture and livestock. In addition, the transactions for olive oil and must - wine are covered, which are included in the manufacturing sector when their production – manufacturing process takes place at the level of agricultural unit, thus it is considered to be an activity of the agricultural sector.
<b>Seasonality</b>	Seasonality of products influences the agricultural and livestock production and as a result some products are not available every month in a calendar year. For this reason, the weighting coefficients of output products differ per month in the year.
<b>Statistical survey</b>	<p>The sources of price collection are the agricultural cooperatives (unions), which collect the final products, as well as, the commercial and the industrial enterprises, which buy the final products directly from the producers.</p> <p>The price data for the output price index are collected from approximately 783 sources and price data for input prices are collected from approximately 760 sources.</p>
<b>Publication of data</b>	The Input and Output Price Indices with the new base year (2010) are released since June 2013 with April 2013 data as first reference month. The time series with base year 2010=100.0 are available from January 2000 onwards.
<b>References</b>	More information on the methodology concerning the compilation and calculation of the indices, as well as the time series is available on the website of ELSTAT, at: <a href="http://www.statistics.gr/en/statistics/-/publication/DKT30/-">http://www.statistics.gr/en/statistics/-/publication/DKT30/-</a> .