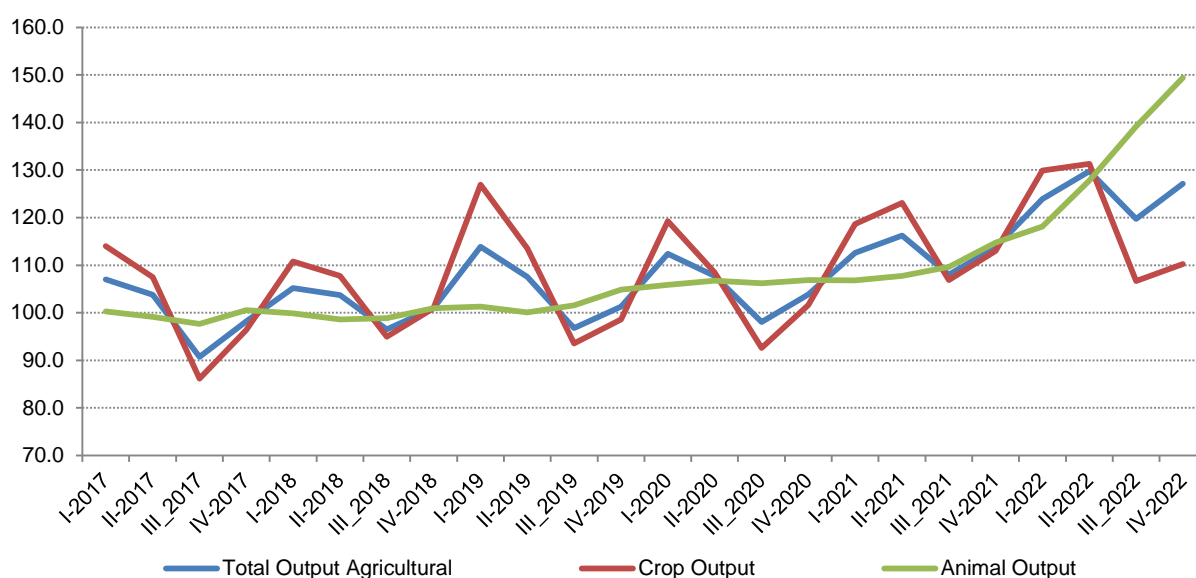


Agricultural Output Price Index

Year 2022

Tirana, 03 July 2023: In 2022, the annual agricultural output price index reached 125.1, from 112.6 in 2021, showing an increase by 11.1 % compared to the previous year. During this year the output price index of crop products increased by 2.9 %, while the output price index of animal products increased by 22.1 %, compared to the last year.

Fig. 1 Quarterly Output Price Indices in Agricultural products, (2015=100)



Source: Monthly Survey of Agriculture Products Prices, INSTAT

Tab. 1 Annual Output price Index in Agricultural products, (2015=100)

Code	Products	Weight	2015	2021	2022	Index	Annual change in %
		in %	Base Year	Index	Annual change in %		
	Total Output Agriculture	100	100	112.6	7.4	125.1	11.1
I	Crop Output	56	100	114.8	10.8	118.1	2.9
1	Cereals	4.2	100	96.7	12.5	132.7	37.3
2	Industrial crops	0.4	100	140.0	4.0	163.4	16.7
3	Forage plants	3.8	100	99.1	20.7	117.0	18.0
4	Vegetables	23.2	100	117.2	9.8	116.3	-0.7
5	Potatoes	3.1	100	126.5	28.0	147.2	16.3
6	Permanent crops	17.2	100	115.0	10.8	110.1	-4.2
6.1	<i>Fruits</i>	8.2	100	132.7	15.3	128.3	-3.3
6.2	<i>Citrus fruit</i>	1	100	89.5	-7.5	88.6	-1.1
6.3	<i>Grapes</i>	5.5	100	102.2	4.7	100.0	-2.2
6.4	<i>Olives</i>	2.5	100	95.0	14.5	81.3	-14.4
7	Wine	2.6	100	131.9	-1.1	132.6	0.5
8	Olive oil	1.5	100	104.9	-0.3	98.7	-5.9
II	Animal Output	44	100	109.7	3.1	134.0	22.1
9	Animal production	18.6	100	110.3	3.0	127.9	15.9
9.1	<i>Cattle</i>	8.3	100	105.2	1.8	121.1	15.1
9.2	<i>Pigs</i>	3.1	100	116.9	2.3	131.1	12.2
9.3	<i>Sheep & goats</i>	5.1	100	115.7	5.0	140.8	21.7
9.4	<i>Poultry</i>	2.1	100	108.2	4.0	119.3	10.2
10	Milk	19.7	100	111.3	3.3	143.5	28.9
10.1	<i>Cow milk</i>	14.8	100	111.7	4.5	145.3	30.1
10.2	<i>Other milk</i>	4.9	100	110.2	-0.4	138.2	25.4
11	Other animal products	5.7	100	102.3	2.7	120.7	18.0
11.1	<i>Eggs</i>	2.8	100	104.5	2.6	131.5	25.8
11.1	<i>Honey</i>	2.9	100	100.2	2.8	110.8	10.6

Source: Monthly Survey of Agriculture Products Prices, INSTAT

Tab. 2 Quarterly Output price Index in Agricultural products 2022 (2015=100)

Code	Products	Weight in %	Quarter I 2022		Quarter II 2022		Quarter III 2022		Quarter IV 2022	
			Index	Annual change in %	Index	Annual change in %	Index	Annual change in %	Index	Annual change in %
	Total Output Agriculture	100	123.9	10.0	129.7	11.6	119.7	10.9	127.1	11.7
I	Crop Output	56	129.9	9.5	131.3	6.7	106.7	-0.2	110.3	-2.4
1	Cereals	4.2	124.7	44.7	143.1	51.0	135.8	38.5	128.2	18.1
2	Industrial crops	0.4	156.6	10.6	161.6	21.2	163.0	17.3	171.5	18.7
3	Forage plants	3.8	121.2	30.6	130.5	35.4	112.7	17.2	110.2	1.8
4	Vegetables	23.2	131.2	1.8	124.2	1.7	98.9	-3.8	112.3	-4.3
5	Potatoes	3.1	161.3	35.1	155.3	30.3	134.0	17.3	134.2	-13.6
6	Permanent crops	17.2	126.6	0.1	139.3	1.2	99.6	-9.8	100.0	-3.3
6.1	Fruits	8.2	142.6	-0.6	142.0	0.5	109.0	-12.8	122.2	0.3
6.2	Citrus fruit	1	88.5	11.8	-	-	-	-	88.6	-6.8
6.3	Grapes	5.5	-	-	-	-	93.6	-8.2	115.2	11.8
6.4	Olives	2.5	117.5	-7.1	111.8	11.6	104.1	1.2	67.3	-23.8
7	Wine	2.6	125.0	-5.1	133.8	-2.6	136.6	6.7	130.3	-1.6
8	Olive oil	1.5	100.1	-4.7	99.7	-5.0	101.0	-3.5	95.7	-8.8
II	Animal Output	44	118.1	10.6	127.8	18.6	139.2	27.0	149.4	30.2
9	Animal production	18.6	116.3	7.9	125.3	16.4	128.8	17.7	139.4	20.3
9.1	Cattle	8.3	109.9	4.9	118.2	14.1	124.0	18.4	132.1	22.6
9.2	Pigs	3.1	121.4	3.6	131.1	12.1	132.1	13.3	139.6	19.7
9.3	Sheep & goats	5.1	128.4	16.4%	137.0	25.4	140.4	23.5	151.0	20.3
9.4	Poultry	2.1	113.5	11.5%	115.5	9.3	115.0	7.1	133.0	12.8
10	Milk	19.7	123.2	14.0%	132.0	19.9	151.5	35.4	167.6	45.5
10.1	Cow milk	14.8	122.8	13.2%	131.4	19.1	155.1	37.9	172.1	49.2
10.2	Other milk	4.9	124.9	17.0%	133.3	21.8	141.2	28.3	152.2	33.0
11	Other animal products	5.7	110.4	9.9%	118.0	20.5	123.3	21.6	131.1	19.8
11.1	Eggs	2.8	116.3	12.2%	127.9	32.0	135.1	33.3	146.6	26.1
11.1	Honey	2.9	105.0	7.9%	108.9	10.2	112.6	10.9	116.6	13.2

(-) Seasonal products

Source: Monthly Survey of Agriculture Products Prices, INSTAT

Methodology

Price indices in agriculture are calculated based on the standards and guidelines outlined in the Handbook for EU agricultural price statistics. Agricultural output prices are collected through a Monthly Survey in the entire territory of the Republic of Albania. The information is gained from farms, slaughter-houses and weekly markets as well as on other places where agricultural products are sold. For domestic products the prices are collected at farm-gate level excluding taxes. They are surveyed in Albanian Lek, while the measuring units are in kg, litre or pieces.

Output price index in agricultural products is divided into two main groups: Crop and animal products. For crop products prices are collected for the following groups: cereals, industrial crops, forage plants, vegetables, potatoes and permanent crops. For animal products prices are collected for animals and animal products. Within this framework prices are surveyed for four main categories of animals: Cattle, pigs, sheep and goats as well as poultry based on the live weight of animals for slaughter. Within animal products, prices are collected for the categories: milk, eggs and honey.

Weighting scheme of Output price Index in Agricultural products

To calculate the Output price Index in Agricultural products a weighting scheme is used. The weighting factor attached to each elementary index and aggregate index corresponds to the sales value of the respective product (excluding VAT) during the base period (2015=100) according to Eurostat methodology. Weights are also used to join indices of main groups and aggregate indices. The weighting scheme used complies with the methodology of the Economic Accounts for Agriculture. The total and quarterly weights are fixed over a base period. The weighting scheme of the producer price index for agricultural products changes every 5 years.

Calculation of elementary price index

The elementary index is calculated according to the following formula using absolute average prices.

$$R_i^t = \frac{\frac{1}{n} \sum P_{ij}^t}{\frac{1}{n} \sum P_{ij}^0} \cdot 100$$

R_i^t : Elementary price index for month "t" and production "i"

P: Collected prices

i: Production "i"

j: The registered production price (generally the price for district 1.2. n)

t: Month observed

o: Base month

Calculation of aggregate price index

The aggregate index for product groups, subgroups and the total output of agricultural products is calculated using the following formula:

$$I^t = \sum (R_i^t \cdot \frac{w_i^o}{\sum w_i^o}) \cdot 100$$

I: Aggregate index for period "t"

w_i^o : Weighting factor in base period for production "i"

i: Production "i"

t: Month observed

o: Base month