



Republika e Kosovës

Republika Kosova-Republic of Kosovo

Qeveria - Vlada - Government

Zyra e Kryeministrit - Ured Premijera - Office of the Prime Minister

Agjencia e Statistikave të Kosovës - Agencija za Statistike Kosova - Kosovo Agency of Statistics



AGJENCIA E STATISTIKAVE TË KOSOVËS
AGENCIJA ZA STATISTIKE KOSOVA
KOSOVO AGENCY OF STATISTICS

Input Price Index in Agriculture Q2 2022 (2015=100)

August, 2022

Prishtina, 12.08.2022, Kosovo Agency of Statistics, respectively the Department of Agriculture and Environment Statistics, has started to collect data on agriculture output prices since November 2003. At the beginning, the number of items was limited. With the change of the base year from 2003 to the base year of 2005, prices have been collected for 64 different agricultural inputs. Whereas, with the change of the base year 2005 to 2010, prices for 67 agricultural inputs were collected. Currently, with the change of the base year from 2010 to the base year 2015, prices are collected for 73 different agricultural inputs. The plan for the future is to increase the number of inputs. In addition to the input price index is also the output price index

This is the fifty- eight (58) publications on Input Price Index and Average Absolute Prices for agriculture inputs produced by Statistical Agency of Kosovo (SAK). In this publication, Input Price Index and prices for some major agriculture inputs are presented.

KAS thanks the Swedish International Development Cooperation Agency (SIDA) for their support for building the agro-monetary statistical system. KAS also thanks all collaborators of its regional offices, other co-operators (respondents) of point-of-sale places such as: agricultural farms, industrial enterprises, trade, etc.

In particular, KAS thanks Swedish price statistics expert, Mr. Anders Grönvall and others who directly or indirectly assisted in finalizing this publication.

Suggestions and remarks regarding this publication can be sent to the department's email address: agriculture@ks-gov.net

Publication was prepared by:

Bajrush Qevani – Director of Department,
Violeta Arifi – Gashi – Head of Division,

Acting Chief Executive Officer, KAS
Ilir T. Berisha

To consult other publications, visit the KAS website: <http://ask.rks-gov.net>

Abbreviations and Acronyms

KAS	-	Kosovo Agency of Statistics
API	-	Agriculture Price Index
EU	-	European Union
SIDA	-	Swedish International Development Cooperation Agency
Q2	-	Second quarter

Key to symbols

.	Not aplicable
%	Promile

In the tables where figures have (weight) have been rounded to the nearest final digit might be a slight discrepancy in the sum.

Content

	Page
Agricultural Input Price Index Q2.....	5
Tab 1: Q2 Agricultural Input price Index 2015-2022, (2015=100).....	5
Monthly Agricultural Input Price Index.....	6
Tab 2: Monthly Agricultural Input price Index April– Jun 2022(2015 = 100)	6
Methodological explanations	7
Questionnaire	8

Input Price Index for agriculture products

The data presented in this publication include data on the monthly index covering the period from April to Jun of the year 2022 with the base year 2015=100

The price collection was carried out at agriculture pharmacy enterprises, veterinary pharmacy enterprises, companies, markets, and other places where prices on agriculture input products are available. Some prices on agriculture input products we got from consumer prices (CPI) at KAS.

KAS has changed the base year from 2010 =100 in 2015 = 100 according to Eurostat methodology.

The products which make up the base for the Input Price Index are divided into two main groups:

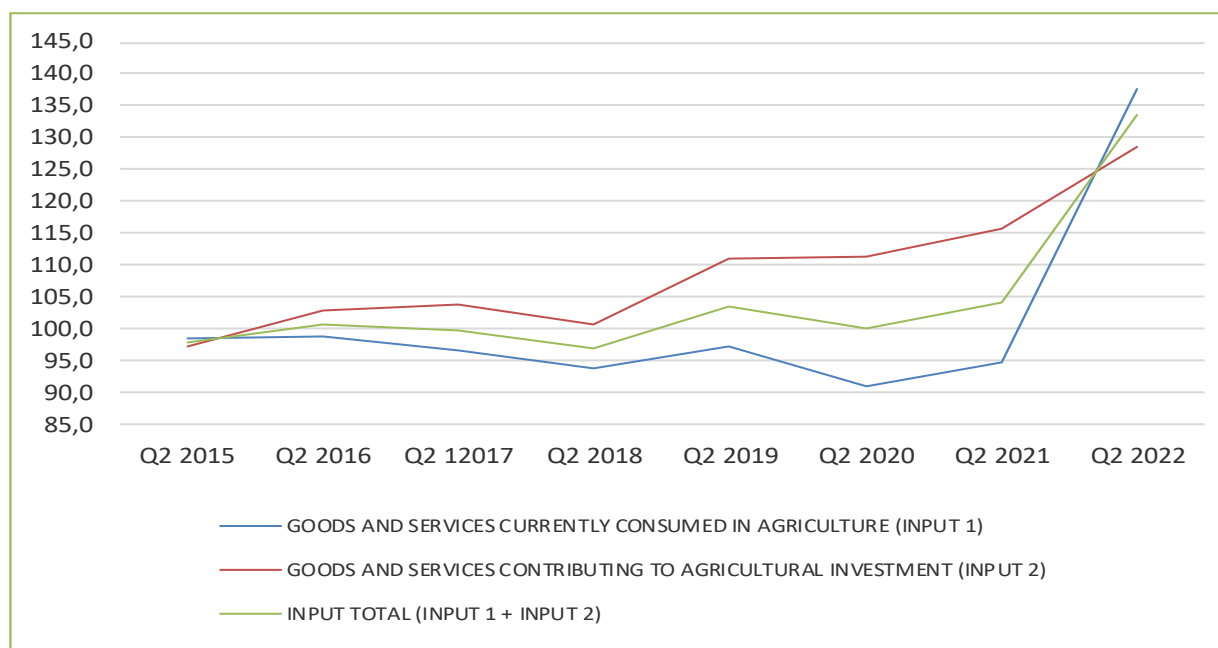
Goods and Services Currently Consumed in Agriculture (Input 1) and Goods and Services Contributing to Agriculture Investment (Input 2). Within Goods and Services Currently Consumed in Agriculture, prices are collected under the following groups; Seeds and Planting Stock, Energy; Lubricants, Fertilizers and Soil Improvers, Plant Protection Products and Pesticides, Veterinary Expenses, Animal Feeding stuffs, Maintenance of Materials, Maintenance of Buildings and Other Goods and Services. Within Goods and Services Contributing to Agriculture Investment, prices are collected for Materials (Machinery and Other Equipment), Buildings and Other (Farm Buildings Non-Residential, other works except land improvements).

Figure 1 shows the second quarter for Input Price Index from 2015 - 2022 for Total Input as well as for Input 1 and Input 2 (2015 = 100).

The index changes in Q2 2022 compared to Q2 2021 (change in %)

In the second quarter 2022 the Input 1 has increased by (45,0%) compared the second quarter 2021. The Index for **Input 2** has increased by (11,1%) compared the second quarter 2021. Total Input Index (**Input 1 + Input 2**) has also increased by (28,3%) compared to the second quarter 2021.

Fig. 1: Q2 Agricultural Input Price Index 2015 – 2022, (2015 = 100)



Agricultural Input Price Index Q2**Tab. 1: Q2 Agricultural Input price Index 2015-2022, (2015=100)**

Input 1 (Goods and services currently consumed in agriculture)												
API code	Description	Weight		Q2	Q2	Q2	Q2	Q2	Q2	Q2	Q2	Q2
		%	1000 Euro	2015	2016	2017	2018	2019	2020	2021	2022	
200000	GOODS AND SERVICES CURRENTLY CONSUMED IN AGRICULTURE (INPUT 1)	556	126.490	98,4	98,8	96,5	93,8	97,4	91,1	94,8	137,5	
201000	SEEDS AND PLANTING STOCK	91	20.777	89,3	106,1	95,9	79,4	91,6	82,1	82,7	87,2	
202000	ENERGY; LUBRICANTS	103	23.433	101,3	90,1	99,3	104,8	106,4	85,3	99,9	148,2	
202100	Electricity	17	4.637	88,9	86,4	97,8	98,2	95,6	95,6	93,1	98,2	
202300	Motor fuels	137	17.480	104,8	90,9	100,2	107,5	110,4	81,5	101,7	164,1	
202400	Lubricants	3	1.316	98,4	93,9	92,6	92,6	91,9	99,0	100,5	112,6	
203000	FERTILISERS AND SOIL IMPROVERS	149	33.958	100,1	98,1	89,1	85,7	89,1	88,4	87,8	205,5	
203100	Straight fertilizers	56	12.777	99,8	94,1	86,8	83,2	85,9	85,8	85,7	212,1	
203200	Compound fertilizers	93	21.181	100,2	100,6	90,4	87,3	91,0	90,0	89,1	201,5	
204000	PLANT PROTECTION PRODUCTS AND PESTICIDES	23	5.137	97,7	104,1	103,9	105,0	105,9	103,3	103,4	115,5	
205000	VETERINARY EXPENSES	38	8.732	100,0	97,7	98,5	97,5	100,0	92,7	100,7	103,9	
206000	ANIMAL FEEDINGSTUFFS	3	741	97,6	113,1	102,2	103,2	108,6	113,4	118,5	156,6	
206100	Straight feeding stuffs	104	630	97,8	115,7	101,8	103,8	109,5	111,5	117,0	158,1	
206200	Compound feeding stuffs	12	111	96,6	98,4	104,8	99,7	103,6	124,3	126,7	147,7	
207000	MAINTENANCE OF MATERIALS	48	10.883	99,8	100,6	99,9	99,7	99,5	99,3	99,2	102,4	
208000	MAINTENANCE OF BUILDINGS	4	833	100,0	98,5	98,7	98,4	99,7	101,8	102,3	110,9	
209000	OTHER GOODS AND SERVICES	97	21.996	100,1	99,8	101,0	100,7	101,5	101,2	104,2	105,1	
Input 2 (Goods and services contributing to agricultural investment)												
210000	GOODS AND SERVICES CONTRIBUTING TO AGRICULTURAL INVESTMENT (INPUT 2)	444	100.971	97,3	103,0	103,7	100,7	111,1	111,3	115,8	128,6	
211210	TRACTORS	208	47.375	94,8	107,0	107,8	101,6	121,3	120,4	128,3	144,3	
211290	OTHER	236	53.596	99,5	99,4	100,1	99,9	102,1	103,3	104,7	114,7	
Input total (Input 1 + Input 2)												
220000	INPUT TOTAL (INPUT 1 + INPUT 2)	1.000	227.461	97,9	100,6	99,7	96,9	103,5	100,1	104,1	133,6	

Monthly Agricultural Input Price Index

Tab. 2: Monthly Agricultural Input price Index April– Jun 2022 (2015 = 100)

Input 1 (Goods and services currently consumed in agriculture)						
API code	Description	Weight		2022		
		‰	1000 Euro	Apr	May	Jun
200000	GOODS AND SERVICES CURRENTLY CONSUMED IN AGRICULTURE (INPUT 1)	556	126.490	135,5	136,8	140,3
201000	SEEDS AND PLANTING STOCK	91	20.777	86,8	87,8	87,0
202000	ENERGY; LUBRICANTS	103	23.433	139,3	142,8	162,4
202100	Electricity	17	4.637	100,8	96,9	96,9
202300	Motor fuels	137	17.480	151,7	157,4	183,1
202400	Lubricants	3	1.316	110,5	110,1	117,3
203000	FERTILISERS AND SOIL IMPROVERS	149	33.958	205,5	205,5	205,5
203100	Straight fertilizers	56	12.777	212,1	212,1	212,1
203200	Compound fertilizers	93	21.181	201,5	201,5	201,5
204000	PLANT PROTECTION PRODUCTS AND PESTICIDES	23	5.137	111,7	117,4	117,4
205000	VETERINARY EXPENSES	38	8.732	101,8	104,9	104,9
206000	ANIMAL FEEDINGSTUFFS	3	741	157,0	157,8	155,0
206100	Straight feeding stuffs	104	630	158,6	159,6	156,2
206200	Compound feeding stuffs	12	111	147,7	147,7	147,7
207000	MAINTENANCE OF MATERIALS	48	10.883	102,4	102,4	102,4
208000	MAINTENANCE OF BUILDINGS	4	833	110,6	111,0	111,0
209000	OTHER GOODS AND SERVICES	97	21.996	104,8	105,2	105,2
Input 2 (Goods and services contributing to agricultural investment)						
210000	GOODS AND SERVICES CONTRIBUTING TO AGRICULTURAL INVESTMENT (INPUT 2)	444	100.971	128,3	128,1	128,3
211210	TRACTORS	208	47.375	145,0	144,0	144,0
211290	OTHER	236	53.596	113,6	114,0	114,4
Input total (Input 1 + Input 2)						
220000	INPUT TOTAL (INPUT 1 + INPUT 2)	1.000	227.461	132,3	132,9	135,0

Methodological explanations

Prices and price indices in this publication have been calculated according standards for price statistics in European Union. The project for calculation these Prices and Indices was conducted in the frame of the project of Improving agro monetary statistics” in cooperation with Statistic Sweden and with financial support by SIDA (Swedish International Development Cooperation Agency).

Prices have been collected since 2003 and are collected in seven regions: Pristina, Mitrovica, Peja, Gjakova, Prizren, Ferizaj and Gjilan. Prices are collected around the 15th in every month. Since the start the number of different prices that are collected have increased step by step.

The purpose of Agricultural Input Price Index is to follow the purchase prices of the means of agricultural production. By definition, the index does not cover factors of production. Thus, wages and wage costs, rent, interest payment, purchase of land and fixed asset animals are not part of the field of observation.

To compare the EU index presented in this publication with other countries, the Eurostat website is recommended (<http://epp.eurostat.ec.europa.eu/portal/page/portal/eurostat/home>).

Weights to calculate aggregated indices are mainly based on Agricultural Economic Account 2015, which is the base year in the index (2015=100). These weights are fixed as long as the base of the index is 2015. The index is a price index and is calculated on the basis of the Laspeyres formula

Calculation of elementary Price Index

Calculations of elementary indices are in general done by using following formula, with un-weighted arithmetic mean price.

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

- R_i^t – Elementary index for month t and product i
- P – Collected price
- i – Product i
- j – Price j recorded for product (in general price for region)
- t – Observed month
- 0 – Base month

Calculation of aggregated Price Index

Calculating aggregated index for total Input or subgroups of Input Index is done using following formula.

$$I^t = \sum (R_i^t \cdot \frac{w_i^0}{\sum w_i^0})$$

- I^t – Aggregated index for period t
- w_i⁰ – Weighting factor in base period for product i
- i – Product i
- t – Observed month
- 0 – Base month

Questionnaire

Target definition

Item number	Item name	Quantity	Unit
Price Collector		Collection place/ Company	
Date			
Price			

<p>Enumerators notes</p> <ul style="list-style-type: none"> - Detailed description of specific variety selected for re-pricing - Changes in the detailed description, date for changes - Treatment of quality change when description changed (information of over-lap Price observation, alt. valuation of quality change)
--

- **Adresa: KOSOVO AGENCY OF STATISTICS**
- Street. "Zenel Salihu", No. 4, 10000 Pristina
- **Telefoni: +383 (0) 38 200 31 129**
- CEO: +383 (0) 38 200 31 112
- Fax: +383 (0) 38 235 033
- E-mail: infoask@rks-gov.net
- **Website: <http://ask.rks-gov.net>**
- © Kosovo Agency of Statistics
- Reproduction is authorized when source is indicated only.