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08. Incomes, expenditure and prices

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08. Incomes, expenditure and prices

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2018

2002

5040

2002

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Notes on methodology

Sources and methods of data gathering

The data have been obtained on the basis of the "Household Budget Survey", conducted during 2018.

In 2002, this survey underwent a comprehensive revision. That revision ensured higher quality instruments for conducting the survey, reduction of the reporting period and increase of the sample, all of this aimed at harmonization with the statistical standards of the European Union.

An observation unit is each single-person household or a household comprising more members that has been selected according to the sample plan on the whole territory of the Republic of North Macedonia.

The selection of the 5040 households was carried out by means of a two-stage stratified sample model, whereby a selection of enumeration districts under the Census of Population in 2002 was carried out in the first stage, while the selection of the households to be surveyed was carried out in the second stage.

The reporting period for collection of data on the consumption of the selected households is 15 days for expenditures, and three months for revenues.

The compiled data, by application of relevant methods, provide an opportunity for making estimates of the level and the structure of personal consumption of households taken as a whole, as well as for the existing differences by different socio-economic categories.

The classification of households into socio-economic categories was carried out on the basis of the sources of revenues of household members.

Definitions

Agricultural households shall be those households which own an agricultural holding and where all household members who are fit for work are engaged at the holding as agricultural workers. None of the household members is officially employed outside of the holding and none of them owns trade premises. Households of agricultural workers which do not possess land and whose members are employed at the holdings of other individual agricultural producers shall also be deemed agricultural households. Agricultural households shall also be those households which, according to the Law on Pension and Disability Insurance, have acquired the right to a pension.

Mixed households shall be those households that have their own agricultural holdings, where, besides the workers at the holding, one or more members are permanently employed in the public or in the private sector, or pursue another non-agricultural activity. This category also includes households that own agricultural holdings but where one or more members are receiving a personal income based on the length of service or public recognition (pensioners, disability pensioners, etc.).

The Household Budget Survey regards as non-agricultural households those households which do not own holdings, but where one or more members are permanently employed in the public or in the private sector, or pursue another non-agricultural activity (individual craftsmen, caterers, transporters, lawyers, artists, etc.) or who receive income on the basis of their length of service (pensioners).

Available assets of households comprise all income, including the value of consumer credits and investment loans. For the agricultural and mixed households the value of consumption from own production is included under available assets.

Used assets of households include all cash expenditures for the purchase of products and services for personal consumption, as well as the repaid portion of consumer credits and loans. In the case of agricultural and mixed households, in addition to cash expenditures for personal consumption, the value of consumption from own production is also included.

Net income from agriculture shall be the balance of the total revenues of the household and the cash expenditures for agricultural production and ancillary activities.

-08.01.1: , 2018

-08.01.1: Number of interviewed and estimated households, 2018

by socio-economic categories

	Total	Agricultural	Mixed	Non-agricultural	
	2 646	117	408	2 121	Number of interviewed households
	567 007	15 180	65 491	486 336	Estimated number of households
	3.66	3.79	4.12	3.59	Average number of household members

-0801.2

, 2018

	Total	Agricultural	Mixed	Non-agricultural
	Annual averages per household, in denars			
	436 628	410 437	574 261	418 911
	428 394	385 830	543 479	414 225
	283 455	-	300 448	290 014
	11 878	7 562	4 797	12 966
	85 914	-	85 008	88 718
	7 568	-	7 109	7 867
	5 359	-	1 393	6 060
-	21 190	241 483	127 489	-
	6 266	-	240	7 273
	782	209	428	847
	66	1 239	-	38
	5 917	135 337	16 567	443
	-	-	-	-
	6 416	24 608	30 782	2 567
1)	1 818	-	-	2 119
	360 533	248 554	494 773	345 951
	317 780	223 190	392 641	310 651
	139 396	121 863	181 225	134 311
	14 328	12 932	20 640	13 521
	21 968	16 684	28 617	21 237
	37 921	20 495	49 250	36 940
	16 252	7 847	21 887	15 756
	15 021	4 611	9 414	16 102
	19 115	14 733	26 161	18 303
	11 616	4 699	13 177	11 622
	6 251	834	6 929	6 329
	1 510	-	2 665	1 401
	15 600	4 108	17 067	15 761
	18 801	14 383	15 608	19 369
	646	123	1 145	595
	8 537	4 116	8 176	8 723
	12 275	38	8 087	13 220
	1 085	-	37	1 260
	20 211	21 086	84 686	11 502

-08.01.2 Available and used assets of households, 2018

- by socio-economic categories -

Total	Agricultural	Mixed	Non-agricultural	
Annual averages per household member, in denars				
119 284	108 297	139 273	116 558	AVAILABLE ASSETS
117 035	101 804	131 807	115 254	Monetary income
77 438	-	72 866	80 693	Revenues on the basis of regular employment
3 245	1 995	1 163	3 608	Revenues on the basis of part-time employment
23 471	-	20 616	24 685	Revenues on the basis of a pension scheme
2 068	-	1 724	2 189	Other revenues on the basis of social insurance
1 464	-	338	1 686	Revenues from abroad
5 789	63 717	30 919	-	Net revenues from agriculture
1 712	-	58	2 024	Property leasing and selling
214	55	104	236	Prizes, gifts and similar contributions
18	327	-	11	Loans (Borrowings)
1 616	35 710	4 018	123	Savings decrease
-	-	-	-	Other income
1 753	6 493	7 465	714	Value of consumption from own product on
497	-	-	590	Income in kind ¹⁾
98 496	65 583	119 995	96 257	USED ASSETS
86 816	58 891	95 225	86 436	Personal consumption
38 082	32 155	43 952	37 371	Food and non-alcoholic beverages
3 914	3 412	5 006	3 762	Alcoholic beverages and tobacco
6 001	4 402	6 940	5 909	Clothing and footwear
10 360	5 408	11 944	10 278	Housing, water, electricity, gas and other
4 440	2 071	5 308	4 384	Furnishing, household equipment and maintenance
4 104	1 217	2 283	4 480	Health care
5 222	3 887	6 345	5 093	Transport
3 173	1 240	3 196	3 234	Communications
1 708	220	1 681	1 761	Recreation and culture
413	-	646	390	Education
4 262	1 084	4 139	4 385	Restaurants and hotels
5 136	3 795	3 785	5 389	Miscellaneous goods and services
176	33	278	166	Membership fees, taxes, customs duties
2 332	1 086	1 983	2 427	Losses, gifts, contributions and other
3 353	10	1 961	3 678	Repayment of loans and debt servicing
296	-	9	351	Flat, house and property expenditures
5 522	5 564	20 538	3 200	Savings

-0801.2

, 2018

	Total	Agricultural	Mixed	Non-agricultural
	, %			
	Distribut on of available and used assets, in %			
	100.0	100.0	100.0	100.0
	98.1	94.0	94.6	98.9
	64.9	-	52.3	69.2
	2.7	1.8	0.8	3.1
	19.7	-	14.8	21.2
	1.7	-	1.2	1.9
	1.2	-	0.2	1.4
	4.9	58.8	22.2	-
	1.4	-	0.0	1.7
	0.2	0.1	0.1	0.2
	0.0	0.3	-	0.0
	1.4	33.0	2.9	0.1
	-	-	-	-
	1.5	6.0	5.4	0.6
	0.4	-	-	0.5
	100.0	100.0	100.0	100.0
	88.1	89.8	79.4	89.8
	38.7	49.0	36.6	38.8
	4.0	5.2	4.2	3.9
	6.1	6.7	5.8	6.1
	10.5	8.2	10.0	10.7
	4.5	3.2	4.4	4.6
	4.2	1.9	1.9	4.7
	5.3	5.9	5.3	5.3
	3.2	1.9	2.7	3.4
	1.7	0.3	1.4	1.8
	0.4	-	0.5	0.4
	4.3	1.7	3.4	4.6
	5.2	5.8	3.2	5.6
	0.2	0.0	0.2	0.2
	2.4	1.7	1.7	2.5
	3.4	0.0	1.6	3.8
	0.3	-	0.0	0.4
	5.6	8.5	17.1	3.3

1)

1) Credits and loans are included

-08.01.2 Available and used assets of households, 2018

- by socio-economic categories -

Total	Agricultural	Mixed	Non-agricultural		%
Level of available and used assets per household member, in %					
100.0	90.8	116.8	97.7	AVAILABLE ASSETS	
100.0	87.0	112.6	98.5	Monetary income	
100.0	-	94.1	104.2	Revenues on the basis of regular employment	
100.0	61.5	35.9	111.2	Revenues on the basis of part-time employment	
100.0	-	87.8	105.2	Revenues on the basis of a pension scheme	
100.0	-	83.4	105.9	Other revenues on the basis of social insurance	
100.0	-	23.1	115.2	Revenues from abroad	
100.0	1 100.6	534.1	-	Net revenues from agriculture	
100.0	-	3.4	118.2	Property leasing and selling	
100.0	25.8	48.6	110.4	Donations, gifts and similar contributions	
100.0	1 818.9	-	58.9	Loans (Borrowings)	
100.0	2 209.3	248.6	7.6	Savings decrease	
-	-	-	-	Other income	
100.0	370.4	425.9	40.7	Value of consumption from own production	
100.0	-	-	118.7	Income in kind ¹⁾	
100.0	66.6	121.8	97.7	USED ASSETS	
100.0	67.8	109.7	99.6	Personal consumption	
100.0	84.4	115.4	98.1	Food and non-alcoholic beverages	
100.0	87.2	127.9	96.1	Alcoholic beverages and tobacco	
100.0	73.4	115.6	98.5	Clothing and footwear	
100.0	52.2	115.3	99.2	Housing, water, electricity, gas and other	
100.0	46.6	119.6	98.7	Furnishing, household equipment and maintenance	
100.0	29.6	55.6	109.2	Health care	
100.0	74.4	121.5	97.5	Transport	
100.0	39.1	100.7	101.9	Communications	
100.0	12.9	98.4	103.1	Recreation and culture	
100.0	-	156.7	94.5	Education	
100.0	25.4	97.1	102.9	Restaurants and hotels	
100.0	73.9	73.7	104.9	Miscellaneous goods and services	
100.0	18.4	157.4	93.8	Membership fees, taxes, customs duties	
100.0	46.6	85.0	104.1	Losses, gifts, contributions and other	
100.0	0.3	58.5	109.7	Repayment of loans and debt servicing	
100.0	-	3.0	118.3	Flat, house and property expenditures	
100.0	100.8	372.0	58.0	Savings	

-0801.3

, 2018

Decile groups by						
	total	frst	second	third	fourth	ff h
	2 646	142	178	233	242	218
	567 007	42 202	45 126	50 892	51 878	48 559
	3.66	5.07	4.45	4.08	3.97	4.30
	1.28	0.34	0.82	0.95	1.18	1.56
	0.13	0.06	0.16	0.19	0.17	0.16
	0.02	0.04	0.03	0.01	0.03	0.04
	0.71	1.10	0.66	0.67	0.62	0.64
	1.52	3.54	2.79	2.26	1.97	1.90
	3.07	4.05	3.75	3.41	3.33	3.65
	100.0	100.0	100.0	100.0	100.0	100.0
	98.1	98.1	97.8	97.3	98.6	98.3
	64.9	27.7	55.5	56.3	67.2	71.8
	2.7	22.9	9.2	5.5	6.5	2.5
	19.7	24.3	18.2	20.5	15.7	18.3
	1.7	18.0	4.4	4.1	3.1	1.0
	1.2	2.5	1.6	2.2	0.8	0.5
	4.9	2.1	5.1	7.2	2.8	1.4
	1.4	-	1.7	0.0	0.0	1.2
	0.2	0.2	0.4	0.3	0.7	-
	0.0	0.2	0.0	-	-	-
	1.4	0.3	1.6	1.1	1.8	1.7
	-	-	-	-	-	-
	0.4	-	0.3	-	-	0.4
	-	-	-	-	-	-
	1.5	1.9	1.9	2.7	1.4	1.3

-08.01.3 Available assets according to the type of income, 2018

annual average per household member, structure

available assets

sixth	seventh	eighth	ninth	tenth	
					ALL HOUSEHOLDS IN TOTAL
219	317	360	345	392	Number of interviewed households
48 158	69 261	68 189	67 348	75 395	Estimated number of households
3.74	3.39	3.00	3.07	2.81	Average No. of household members
1.47	1.42	1.31	1.58	1.63	Average No. of employed household members
0.15	0.08	0.09	0.11	0.15	Average No. of active agriculturists
0.00	0.02	0.01	0.05	0.02	Average No. of self-employed members
0.57	0.75	0.79	0.79	0.58	Average No. of income recipients
1.54	1.12	0.80	0.53	0.43	Average No. of dependants
3.14	2.89	2.50	2.62	2.40	Average No. of consumption units
100.0	100.0	100.0	100.0	100.0	AVAILABLE ASSETS
96.2	99.3	97.8	98.6	98.1	Monetary income
69.1	69.9	65.5	69.2	63.5	Revenues on the basis of regular employment
1.3	1.9	0.7	0.4	0.7	Revenues on the basis of part-time employment
16.8	22.5	25.8	24.1	14.7	Revenues on the basis of a pension scheme
1.8	0.9	0.8	0.3	0.3	Other revenues on the basis of social insurance
2.9	1.2	0.6	0.3	1.4	Revenues from abroad
1.9	1.2	3.2	1.8	11.8	Net revenues from agriculture
0.1	0.1	0.1	0.2	4.9	Property renting and selling
0.2	0.1	0.1	0.1	0.2	Donations, gifts and similar contributions
-	-	-	-	0.0	Loans (Borrowings)
2.0	1.5	1.1	2.2	0.5	Savings decrease
-	-	-	-	-	Other incomes
0.9	0.1	0.6	0.2	0.8	Credits and loans
-	-	-	-	-	Income in kind
2.9	0.6	1.6	1.2	1.1	Value of consumption from own production

-0801.4

, 2018

Decile group by

	total	first	second	third	fourth	fifth
	2 646	139	183	263	249	310
	567 007	40 421	46 268	54 697	55 645	60 549
	3.66	5.15	4.44	3.78	3.77	3.43
	1.28	1.10	1.11	1.21	1.30	1.26
	0.13	0.10	0.13	0.16	0.13	0.16
	0.02	0.02	0.01	0.01	0.04	0.03
	0.71	0.98	0.73	0.66	0.71	0.66
	1.52	2.95	2.46	1.74	1.58	1.33
	3.07	4.32	3.73	3.19	3.16	2.91
	100.0	100.0	100.0	100.0	100.0	100.0
	88.1	98.3	96.6	98.5	96.0	95.1
	38.7	80.4	73.7	70.3	62.2	54.8
	4.0	4.5	5.2	5.2	6.6	5.3
	6.1	0.1	1.2	1.4	2.6	3.8
	10.5	1.7	1.6	3.6	4.8	9.5
	4.5	4.7	5.1	5.2	4.8	4.0
	4.2	1.5	1.5	2.0	2.5	3.2
	5.3	0.8	2.4	1.7	3.4	3.6
	3.2	0.1	0.3	0.7	1.1	2.2
	1.7	0.3	0.2	0.2	0.4	0.8
	0.4	-	-	0.0	-	0.0
	4.3	0.6	1.4	1.5	2.0	2.0
	5.2	3.5	4.0	6.5	5.6	6.0
	0.2	0.1	-	0.0	0.0	0.0
	2.4	0.1	0.4	0.2	0.2	1.1
	3.4	1.5	2.9	1.3	2.6	3.5
	0.3	-	0.0	-	1.1	0.2
	5.6	-	-	-	-	0.0

-08.01.4: Used assets according to the purpose of consumption, 2018

annual average per household member, structure

used assets

sixth	seventh	eighth	ninth	tenth	
ALL HOUSEHOLDS IN TOTAL					
302	264	310	315	311	Number of interviewed households
59 953	55 492	61 182	64 427	68 373	Estimated number of households
3.45	3.76	3.39	3.19	3.07	Average No. of household members
1.18	1.31	1.30	1.31	1.55	Average No. of employed household members
0.13	0.13	0.10	0.10	0.14	Average No. of active agriculturists
0.03	0.02	0.02	0.03	0.03	Average No. of self-employed members
0.78	0.73	0.76	0.73	0.51	Average No. of income recipients
1.33	1.57	1.21	1.01	0.84	Average No. of dependants
2.90	3.12	2.83	2.71	2.57	Average No. of consumption units
100.0	100.0	100.0	100.0	100.0	USED ASSETS
92.8	94.8	92.8	87.3	78.7	Personal consumption
48.6	43.0	41.1	33.8	20.0	Food and non-alcoholic beverages
4.9	4.2	5.0	3.8	2.5	Alcoholic beverages and tobacco
3.9	6.2	6.2	7.9	8.1	Clothing and footwear
11.1	11.8	13.9	14.9	10.1	Housing, water, electricity, gas and other fuels
3.3	4.0	4.2	3.8	5.3	Furnishing, household equipment and maintenance
2.5	3.2	2.7	2.8	7.1	Health care
4.5	6.1	5.1	6.1	6.6	Transport
3.6	5.1	4.1	4.1	3.2	Communications
0.7	1.0	1.0	1.3	3.4	Recreation and culture
0.0	0.4	0.2	0.1	1.0	Education
2.8	3.3	3.7	4.7	6.7	Restaurants and hotels
6.9	6.6	5.8	4.0	4.7	Miscellaneous goods and services
0.2	0.1	0.1	0.1	0.3	Membership fees, taxes, customs duties
0.8	0.9	1.2	2.1	4.8	Losses, gifts, contributions and other
5.8	2.4	2.5	4.8	3.4	Repayment of loans and debt servicing
-	0.0	0.1	0.2	0.6	Flat, house and property expenditures
0.4	1.7	3.4	5.5	12.2	Savings

-08.01.5	, 2018			
	/ Averages per household			
	Total	Agricultural	Mixed	Non-agricultural
	311 364	198 583	361 858	308 085
	133 790	97 553	153 260	132 299
	123 677	87 520	141 330	122 428
	22 595	20 633	28 111	21 914
	28 015	19 749	31 180	27 847
	3 914	3 750	4 736	3 808
	25 850	12 950	28 390	25 911
	4 811	4 167	5 225	4 776
	8 588	6 874	10 125	8 435
	17 926	10 979	19 971	17 868
	6 207	3 864	7 177	6 150
	5 770	4 552	6 415	5 721
	10 113	10 033	11 930	9 871
	4 353	4 107	4 839	4 295
	5 760	5 925	7 091	5 576
	14 328	12 932	20 640	13 521
	3 697	3 497	6 711	3 298
	10 630	9 435	13 930	10 223
	21 968	16 684	28 617	21 237
	13 785	7 510	15 471	13 753
()	8 183	9 175	13 146	7 484
	37 112	20 198	46 432	36 385
	507	-	386	539
	1 571	228	871	1 707
	4 872	1 516	4 907	4 972
	30 161	18 453	40 267	29 166
	16 252	7 847	21 887	15 756
	1 602	-	3 472	1 401
	1 044	187	974	1 080
	2 849	604	5 186	2 604
	1 033	396	1 323	1 014
	674	193	946	652
	9 050	6 467	9 986	9 004

-08.01.5: Annual pecuniary expenditures for personal consumption, 2018

in denars

/ Averages per household member

Total	Agricultural	Mixed	Non-agricultural	
85 063	52 398	87 760	85 721	TOTAL
36 551	25 740	37 170	36 811	Food and non-alcoholic beverages
33 788	23 093	34 276	34 064	Food
6 173	5 444	6 818	6 097	Cereal products
7 654	5 211	7 562	7 748	Meat
1 069	990	1 149	1 060	Fish
7 062	3 417	6 885	7 209	Milk, dairy products and eggs
1 314	1 100	1 267	1 329	Cooking oil and fats
2 346	1 814	2 456	2 347	Fruit
4 897	2 897	4 843	4 972	Vegetable
1 696	1 020	1 741	1 711	Sugar, jam, chocolate and confectionery
1 576	1 201	1 556	1 592	Other foodstuffs
2 763	2 647	2 893	2 746	Non-alcoholic beverages
1 189	1 084	1 173	1 195	Coffee, tea, cocoa
1 574	1 563	1 720	1 551	Other non-alcoholic beverages
3 914	3 412	5 006	3 762	Alcoholic beverages and tobacco
1 010	923	1 628	918	Alcoholic beverages
2 904	2 489	3 378	2 845	Tobacco
6 001	4 402	6 940	5 909	Clothing and footwear
3 766	1 981	3 752	3 827	Clothing
2 236	2 421	3 188	2 082	Footwear
10 139	5 329	11 261	10 124	Housing, water, electricity, gas and other fuels
139	-	94	150	Rent
429	60	211	475	Maintenance and repairs of the dwelling
1 331	400	1 190	1 383	Miscellaneous services relating to the dwelling
8 240	4 869	9 766	8 115	Heating and lighting
4 440	2 071	5 308	4 384	Furnishing, household equipment and maintenance
438	-	842	390	Furniture and carpets and maintenance
285	49	236	301	Textiles for household
778	159	1 258	725	Household appliances
282	104	321	282	Glassware, tableware and household utensils
184	51	229	181	House maintenance and gardening tools
2 472	1 706	2 422	2 505	Goods and services for household maintenance

-08.01.5	, 2018			
	/ Averages per household			
	Total	Agricultural	Mixed	Non-agricultural
	15 021	4 611	9 414	16 102
	7 779	3 687	6 984	8 014
	2 348	925	1 981	2 442
	4 894	-	449	5 646
	19 115	14 733	26 161	18 303
	628	-	1 238	565
	15 286	12 093	22 077	14 471
	3 201	2 640	2 846	3 266
	11 616	4 699	13 177	11 622
	7	-	1	8
-	564	20	102	643
	11 045	4 680	13 073	10 970
	6 251	834	6 929	6 329
,	1 329	356	2 278	1 232
	329	-	-	383
	1 798	39	612	2 013
	1 759	189	3 660	1 552
,	783	251	378	854
-	253	-	-	295
	1 510	-	2 665	1 401
	272	-	-	317
	405	-	437	414
	833	-	2 228	671
	15 600	4 108	17 067	15 761
	14 021	4 108	14 722	14 235
	1 579	-	2 345	1 525
	18 801	14 383	15 608	19 369
	15 609	13 819	13 515	15 947
	1 007	564	594	1 077
	790	-	297	881
	1 104	-	988	1 154
	17	-	102	6
	274	-	113	304

-08.01.5: Annual pecuniary expenditures for personal consumption, 2018

in denars

/ Averages per household member

Total	Agricultural	Mixed	Non-agricultural	
4 104	1 217	2 283	4 480	Health
2 125	973	1 694	2 230	Medical products, appliances and equipment
641	244	480	679	Outpatient services
1 337	-	109	1 571	Hospital services
5 222	3 887	6 345	5 093	Transport
172	-	300	157	Transport vehicles
4 176	3 191	5 354	4 027	Spare parts and fuels for transport vehicles
874	697	690	909	Transport services
3 173	1 240	3 196	3 234	Communications
2	-	0	2	Postal services
154	5	25	179	Telephone and telefax equipment
3 017	1 235	3 171	3 052	Telephone and telex services
1 708	220	1 681	1 761	Recreation and culture
363	94	553	343	Audio-visual, photographic and information processing equipment
90	-	-	107	Other major durables for recreation and culture
491	10	149	560	Other recreational items and equipment, gardens and pets
481	50	888	432	Recreational and cultural services
214	66	92	238	Newspapers, books
69	-	-	82	Package holidays
413	-	646	390	Educational
74	-	-	88	Secondary education
111	-	106	115	Higher education
227	-	540	187	Other education
4 262	1 084	4 139	4 385	Restaurants and hotels
3 830	1 084	3 570	3 961	Catering services
431	-	569	424	Accommodation services
5 136	3 795	3 785	5 389	Miscellaneous goods and services
4 264	3 646	3 278	4 437	Personal care
275	149	144	300	Personal effects
216	-	72	245	Social protection
302	-	240	321	Insurance
5	-	25	2	Financial services
75	-	27	85	Other services

-0801.6	, 2018			
	/ Averages per household			
	Total	Agricultural	Mixed	Non-agricultural
	265.3	243.6	318.6	258.8
	74.2	131.0	139.2	63.7
	27.1	24.6	29.3	26.8
	25.7	28.4	25.4	25.7
	97.4	89.0	116.7	95.1
	20.5	17.5	21.4	20.5
	35.3	26.5	35.8	35.6
	34.6	20.0	44.9	33.7
	49.6	39.2	97.3	43.5
	60.7	58.7	106.9	54.5
	2.6	2.2	3.5	2.4
	27.5	17.5	46.3	25.3
	52.1	27.0	77.1	49.6
	19.6	9.4	22.9	19.5
	41.8	50.6	46.4	40.9
	2.8	0.8	4.5	2.6
	2.0	0.0	3.5	1.9
	11.8	8.7	15.6	11.4
	70.7	54.6	69.6	71.3
	44.9	39.5	54.9	43.7
	20.5	11.0	106.0	9.3
	7.7	3.3	11.7	7.3
	2.2	1.5	3.3	2.0
	25.2	19.9	29.0	24.9
	23.7	18.5	45.6	20.9
	1.7	1.6	4.3	1.3
	46.5	43.3	55.5	45.4
	2.9	2.9	3.6	2.8
	41.2	39.4	51.1	40.0

-08.01.6 Annual household consumption of goods, 2018

/ Averages per household member

Total	Agricultural	Mixed	Non-agricultural	Unit of measure	
CEREAL PRODUCTS					
72.5	64.3	77.3	72.0	kg	Bread
20.3	34.6	33.8	17.7	kg	Flour
7.4	6.5	7.1	7.5	kg	Pasta
7.0	7.5	6.2	7.1	kg	Rice
VEGETABLES, FRESH AND PROCESSED					
26.6	23.5	28.3	26.5	kg	Potatoes
5.6	4.6	5.2	5.7	kg	Beans
9.7	7.0	8.7	9.9	kg	Onions and garlic
9.5	5.3	10.9	9.4	kg	Cabbage
13.6	10.3	23.6	12.1	kg	Tomatoes
16.6	15.5	25.9	15.2	kg	Peppers
0.7	0.6	0.8	0.7	kg	Peas and string-beans
7.5	4.6	11.2	7.0	kg	Cucumbers
14.2	7.1	18.7	13.8	kg	Other vegetables, fresh
5.4	2.5	5.6	5.4	kg	Processed vegetable products
FRUIT, FRESH AND PROCESSED					
11.4	13.4	11.3	11.4	kg	Apples
0.8	0.2	1.1	0.7	kg	Pears
0.5	0.0	0.8	0.5	kg	Cherries and sour cherries
3.2	2.3	3.8	3.2	kg	Apricots and peaches
19.3	14.4	16.9	19.9	kg	Citrus fruit
12.3	10.4	13.3	12.1	kg	Melons and watermelons
5.6	2.9	25.7	2.6	kg	Grapes
2.1	0.9	2.8	2.0	kg	Other fruit, fresh
0.6	0.4	0.8	0.6	kg	Processed fruit
MEAT, FRESH AND PROCESSED					
6.9	5.3	7.0	6.9	kg	Beef, veal and young beef
6.5	4.9	11.1	5.8	kg	Pork
0.5	0.4	1.0	0.4	kg	Mutton and lamb
12.7	11.4	13.5	12.6	kg	Poultry
0.8	0.8	0.9	0.8	kg	Other meat
11.3	10.4	12.4	11.1	kg	Processed meat products

-0801.6	, 2018			
	/ Averages per household			
	Total	Agricultural	Mixed	Non-agricultural
	19.4	21.6	25.0	18.6
	2.3	1.2	3.1	2.2
	0.1	0.0	0.4	0.1
	52.9	55.7	60.4	51.8
	7.6	7.1	9.1	7.4
	125.0	157.7	142.2	121.6
	72.6	27.5	65.7	74.9
()	42.4	32.5	63.4	39.9
	11.4	7.2	13.7	11.3
	675	613	758	666
	38.1	39.5	40.7	37.7
	9.4	9.6	10.8	9.1
	26.4	22.9	36.2	25.2
	5.6	4.0	6.8	5.5
	36.0	44.9	80.7	29.7
	2.1	1.5	3.1	2.0
	215.5	217.4	285.8	205.9
³	2.6	0.7	6.2	2.2
KWh	4 994.0	3 787.5	5 252.4	4 996.9
	0.1	0.0	0.5	0.1
	4.6	0.3	14.9	3.4

-08.01.6 Annual household consumption of goods, 2018

/ Averages per household member

Total	Agricultural	Mixed	Non-agricultural	Unit of measure	
					FISH
5.3	5.7	6.1	5.2	kg	Fish, fresh and frozen
0.6	0.3	0.8	0.6	kg	Processed fish products
					FATS
0.0	0.0	0.1	0.0	kg	Lard
14.4	14.7	14.6	14.4	kg	Cooking oil
2.1	1.9	2.2	2.1	kg	Other fats
					MILK AND DAIRY PRODUCTS
34.1	41.6	34.5	33.8	litres	Milk
19.8	7.3	15.9	20.8	kg	Sour cream and yogurt
11.6	8.6	15.4	11.1	kg	Cheese (all types)
3.1	1.9	3.3	3.1	kg	Other dairy products
185	162	184	185	pcs	EGGS
					OTHER FOOD PRODUCTS
10.4	10.4	9.9	10.5	kg	Sugar
2.6	2.5	2.6	2.5	kg	Coffee and cocoa
7.2	6.1	8.8	7.0	kg	Chocolate and biscuits
					ALCOHOLIC BEVERAGES
1.5	1.0	1.7	1.5	litres	Wine
9.8	11.9	19.6	8.3	litres	Beer
0.6	0.4	0.8	0.6	litres	Spirits
58.9	57.4	69.3	57.3	litres	Nonalcoholic beverages
					FUEL AND LIGHT
0.7	0.2	1.5	0.6	m ³	Firewood
1 364.3	999.4	1 273.8	1 390.3	KWh	Electricity
0.0	0.0	0.1	0.0	litres	Naphtha
1.3	0.1	3.6	0.9	kg	Gas

-08.01.7: , 2018

-08.01.7: Household possession of durable goods, 2018

	Total	Agri-cultural	Mixed	Non-agricultural	
	2 646	117	408	2 121	Number of interviewed households
					/ Structure
	100.0	100.0	100.0	100.0	Est mated number of households
	100.0	100.0	100.0	100.0	Households equipped with durable goods
	70.3	99.3	87.7	67.0	Solid fuel cooker
	92.8	96.0	88.9	93.3	Electric cooker
	5.2	4.1	5.0	5.3	Gas cooker and combined cooker
	29.7	28.5	50.2	27.0	Solid fuel stove
()	26.7	12.9	18.2	28.2	Electric stoves (all types)
	0.4	-	1.2	0.3	Oil stove
	1.8	-	1.9	1.8	Gas stove
	97.7	96.9	96.6	97.9	Boiler
	99.2	99.8	97.9	99.4	Refrigerator
	72.0	88.7	87.5	69.4	Freezer
	95.9	97.9	96.5	95.7	Washing machine
	95.8	98.7	97.1	95.5	Iron
	23.5	4.6	21.5	24.4	Dish-washer
	15.4	10.1	17.8	15.2	Sewing machine
	91.3	86.0	93.3	91.2	Vacuum cleaner
	33.4	10.1	23.5	35.5	Air condit oner
	17.9	15.4	26.8	16.7	Radio
	10.9	0.6	8.4	11.5	Record player
	11.7	16.6	12.2	11.4	Casset e recorder
	11.4	4.3	12.8	11.4	Hi-Fi sound equipment
	1.2	-	1.9	1.1	Black and white television set
	95.9	96.0	98.5	95.5	Colour television set
	9.4	1.3	8.0	9.9	Video recorder
	6.6	-	4.2	7.1	Video camera
	22.3	0.6	17.7	23.6	Camera
	63.3	31.6	70.8	63.2	Personal computer, connected to the Internet
	38.2	12.4	49.1	37.6	Telephone
	91.9	94.7	97.2	91.1	Mobile phone
	34.0	32.4	36.3	33.8	Bicycle
	8.1	12.8	13.1	7.3	Motorcycle
	59.8	70.2	73.1	57.7	Motorcar
	5.1	4.5	3.6	5.3	Other durable goods
	-	-	-	-	Households without durable goods

-08.01.8 , 2018

-08.01.8 Households according to the installations in the dwelling, 2018

	Total	Agri-cultural	Mixed	Non-agricultural	
	2 646	117	408	2 121	Number of interviewed households
	567 007	15 180	65 491	486 336	Estimated number of households
	/ Structure				
	100.0	100.0	100.0	100.0	Number of interviewed households
	99.7	100.0	99.3	99.8	For water supply
	99.6	99.5	99.3	99.6	For sewage disposal system
	100.0	100.0	100.0	100.0	For electricity
	15.4	4.8	13.1	16.0	For central heating
	60.1	38.1	64.8	60.2	For telephone line

-08.01.9 , 2018

-08.01.9 Households according to the premises available, 2018

	/ Structure				
	100.0	100.0	100.0	100.0	Number of interviewed households
	99.7	100.0	100.0	99.7	Kitchen
	98.1	94.4	95.8	98.5	Bathroom
	89.9	83.8	91.5	89.9	Terrace, balcony
	34.8	47.4	41.5	33.4	Garage
	53.7	71.2	60.1	52.2	Other

-08.01.10 , 2018

-08.01.10 Households according to the way of heating the dwelling, 2018

	/ Structure				
	100.0	100.0	100.0	100.0	Number of interviewed households
	3.8	-	0.1	4.4	Central heating
					Central heating with private installations
	1.5	-	0.3	1.7	Heated by electricity
	3.4	-	8.9	2.8	Heated by solid fuels
	0.5	-	-	0.5	Heated by liquid fuels
	0.3	-	-	0.4	combined
					Heating by stoves
	8.3	0.2	3.8	9.1	Heated by electricity
	81.5	99.5	86.6	80.3	Heated by solid fuels
	0.5	0.2	0.2	0.6	Heated by liquid fuels
	-	-	-	-	other fuels

08.01. Потрошувачка на домаќинствата
08.01. Expenditures of the households

-08.01.11: , 2018

-08.01.11: Households according to the type of dwelling, 2018

	Total	Agri-cultural	Mixed	Non-agricultural	
	2 646	117	408	2 121	Number of interviewed households
	567 007	15 180	65 491	486 336	Est mated number of households
	/ Structure				
	100.0	100.0	100.0	100.0	Number of interviewed households
	0.4	-	-	0.4	Separate room
	0.7	-	0.5	0.7	Ef ciency apartment
	4.6	0.2	1.6	5.1	One-room flat
	21.3	15.6	8.1	23.3	Two-room flat
	31.9	53.6	24.7	32.1	Three-room flat
	41.1	30.4	65.1	38.2	Flat with four and more rooms
	0.1	-	-	0.1	Non-living area

-08.01.12 , 2018

-08.01.12 Households according to the dwelling ownership (tenure), 2018

	/ Structure				
	100.0	100.0	100.0	100.0	Number of interviewed households
	91.7	96.2	95.6	91.0	Owner
()	0.7	-	-	0.8	Leaseholder of a state-owned dwelling
()	1.3	0.3	-	1.5	Leaseholder (of the whole dwelling) in private property
()	0.1	-	-	0.1	Leaseholder (in a part of the dwelling) in private property
(, ,)	5.7	3.6	2.9	6.2	Relationship (living at a parent's, children's, other relative's house)
	0.6	-	1.5	0.5	Other

-08.01.13 , 2018

-08.01.13 Households according to the dwelling area used by the household, 2018

	/ Structure				
	100.0	100.0	100.0	100.0	Number of interviewed households
20 ²	0.8	-	0.6	0.8	Up to 20m ²
21 - 30 ²	0.9	0.2	1.3	0.8	21 - 30m ²
31 - 40 ²	3.3	0.2	1.5	3.6	31 - 40m ²
41 - 50 ²	7.4	13.9	2.1	7.9	41 - 50m ²
51 - 60 ²	12.2	12.3	4.9	13.2	51 - 60m ²
61 - 70 ²	11.6	12.4	4.6	12.6	61 - 70m ²
71 - 80 ²	14.7	25.8	16.8	14.0	71 - 80m ²
81 - 100 ²	25.8	10.0	34.5	25.1	81 - 100m ²
101 - 120 ²	9.7	16.3	12.0	9.2	101 - 120m ²
120 ²	13.8	8.8	21.7	12.8	Over 120m ²

(-

18-20

8 2007

12

9 29 65

163 290 176 40

$$I_{t/o} = \frac{\sum_{i=1}^n \frac{P_{ti}}{P_{oi}} * W_{oi}}{\sum_{i=1}^n W_{oi}}$$

I(t/O) -
 P(t) - / "i"
 P(oi) - / "i"
 W(oi) - / "i"
 n - /
 W(oi) =

. 33, 122, 279, 306 4.8.201.

Notes on methodology

Sources and methods of data gathering

The **price index of catering services** represents the level of the retail prices of catering services realized in catering facilities (hotels, motels and restaurants). Data on prices of catering services are collected by regular monthly monitoring of prices between 18-20 of the month.

The **published data on retail prices** of goods and services are a result of the regular monitoring of prices, including agricultural and industrial retail prices, as well as retail prices of services. Retail prices are monitored in 8 cities of the Republic of North Macedonia. Since 2007, the prices of industrial products and services are monitored once per month, while agricultural products are monitored twice per month.

Average monthly retail prices in the Republic of North Macedonia are obtained by applying a weighted arithmetic mean, whereby average prices in particular cities are weighted with the sold quantity of particular goods in those cities.

The **average annual prices** of agricultural products and of industrial products and services are obtained by applying an arithmetic average of the prices over a period of 12 months.

Scope

Prices of catering services are monitored monthly in 29 selected catering facilities, covering 65 catering services in 9 cities in the Republic of North Macedonia.

Retail prices are monitored in 8 cities in the Republic of North Macedonia for 40 agricultural products, 163 food products, 290 non-food products and 176 types of services.

Only products with significant participation in the retail turnover are taken into consideration when selecting the products for price monitoring.

Definitions

Prices of catering services are the prices at which catering facilities provide their services related to food, beverages and accommodation to the customers. The price includes VAT.

Retail prices shall be the prices in the retail trade at which the producers and service providers sell their products to the final consumers. Retail prices include VAT.

Price indices

The price index of catering services is calculated by weighting price indices with the structure of values of services provided by catering facilities.

Retail price indices and consumer price indices are calculated on the basis of the average monthly retail prices, i.e. according to their dynamics, as well as on the basis of the structure of turnover and personal consumption.

The indices are calculated with the following formula:

$$I_{t/o} = \frac{\sum_{i=1}^n \frac{P_{ti}}{P_{oi}} * W_{oi}}{\sum_{i=1}^n W_{oi}}$$

I(t/O) - index

P(t) - price of the product/ service "i" in the current month

P(oi) - price of the product/ service "i" in the base period

W(oi) - weight of the product/ service "i" in the base period

n - number of products/ services

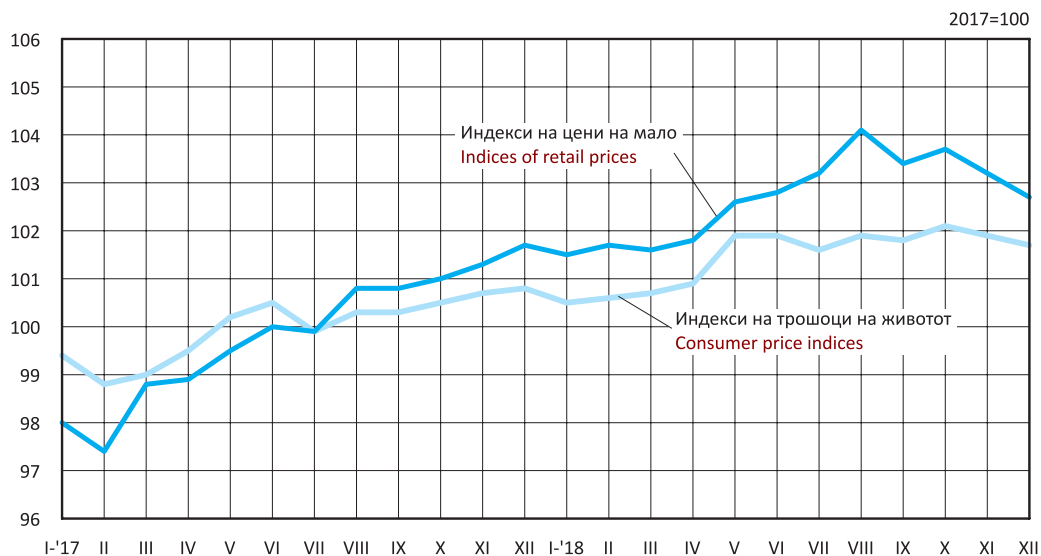
W(oi)= retail turnover value according to the price index, i.e. the value of consumed quantities for consumer price indices in the base period, i.e. the value of total realized catering services in the base period.

The consumer price indices represent a special type of retail price indices concerning personal consumption on goods and services.

The methodology for price monitoring and calculation of price indices is published in the Methodological Materials No. 33, 122, 279, 306 and 4.8.2.01.

-08.02.1:

G-08.02.1: Indices of retail prices and consumer prices



-08.02.1:

-08.02.1: Price indices of goods and services in trade

2013=100

	Total	/ Retail prices goods				services	Prices of catering services
		total	agricultural products	industrial products			
2014	99.1	99.5	99.8	99.5	98.4	99.4	
2015	97.8	97.7	103.1	97.2	97.7	99.9	
2016	97.5	97.1	97.9	97.1	98.1	100.3	
2017	100.6	98.7	98.8	98.8	103.5	101.1	
2018	103.3	100.8	102.3	100.7	107.3	103.4	

-08.02.2

1)

-08.02.2 Indices of retail prices, catering services and consumer prices¹⁾

2014	2015	2016	2017	2018
		/Indices of retail prices		
100.0	98.7	98.4	101.5	104.2
101.4	100.0	99.8	102.9	105.7
101.6	100.3	100.0	103.2	105.9
98.5	97.2	96.9	100.0	102.7
95.9	94.6	94.4	97.4	100.0
		/Price indices of catering services		
100.0	100.5	100.9	101.7	104.0
99.5	100.0	100.4	101.2	103.5
99.1	99.6	100.0	100.8	103.1
98.3	98.8	99.2	100.0	102.3
96.1	96.6	97.0	97.8	100.0
		/Indices of consumer prices		
100.0	99.7	99.5	100.8	102.3
100.3	100.0	99.8	101.1	102.6
100.5	100.3	100.0	101.4	102.8
99.2	98.9	98.7	100.0	101.5
97.8	97.5	97.2	98.6	100.0

1)

¹⁾ Data are to be read only horizontally

-08.02.3

-08.02.3 Indices of retail prices

2017=100

	2014	2015	2016	2018	
					GENERAL INDEX
	98.5	97.2	96.9	102.7	With seasonal products
	100.7	98.4	98.3	100.9	Industrial products
	101.5	98.0	97.8	102.1	Non-food industrial products and tobacco
	94.9	96.5	98.5	101.2	Clothing
	95.9	94.9	98.1	99.9	Footwear
	100.0	99.7	99.0	101.3	Fuel and light ng
	92.8	93.6	99.4	99.6	Household furnishings
	100.6	100.6	100.9	100.1	Hygiene and health
	95.8	95.7	96.3	99.6	Culture and entertainment
	116.6	100.2	95.1	106.6	Transport means, spare parts and fuels
	92.7	96.5	101.7	92.2	Agricultural implements
	101.1	102.2	101.4	99.2	Construct on material
	101.1	104.4	99.1	103.6	Agricultural products
	104.2	109.7	101.7	106.7	Vegetables
	96.1	101.6	94.2	102.8	Fruit
	102.3	99.5	97.8	101.9	Fresh meat
					Beverages
	98.2	99.2	99.9	100.5	Alcoholic beverages
	100.0	100.2	100.0	99.3	Nonalcoholic beverages
	99.2	99.2	99.2	100.8	Food industrial products
	103.9	103.3	101.7	99.7	Cereals
	101.2	100.0	98.6	102.1	Processed meat products
	95.1	97.6	97.2	101.7	Fats
	100.0	100.5	100.3	101.7	Milk and dairy products
	95.1	94.4	94.8	103.7	Services

-08.02.4

-08.02.4 Consumer price index by COICOP

COICOP

2017=100

	2014	2015	2016	2018	
	99.2	98.9	98.7	101.5	Total
	101.0	101.1	99.8	100.8	Food and non-alcoholic beverages
	85.2	89.8	94.1	105.5	Alcoholic beverages, tobacco and narcotics
	97.3	97.7	99.0	99.6	Clothing and footwear
	99.8	100.8	100.2	100.0	Housing, water, electricity, gas and other fuels
	94.9	96.8	99.6	100.8	Furnishings, household equipment and routine maintenance of the house
	99.1	100.6	100.6	100.7	Health
	106.7	97.2	94.8	107.5	Transport
	96.2	91.5	92.1	100.7	Communication
	96.3	97.1	99.0	102.4	Recreation and culture
	99.9	100.0	100.3	99.9	Education
	94.3	95.4	96.3	101.9	Restaurants and hotels
	101.1	101.1	100.6	100.5	Miscellaneous goods and services

-08025

-08025: Annual chain retail and consumer price index

= 100

previous year = 100

	2014	2015	2016	2017	2018	
/Retail Price Index						
	99.1	98.7	99.8	103.2	102.7	Total
	99.8	103.3	95.0	100.9	103.6	Agricultural products
	99.5	97.7	99.9	101.8	101.9	Industrial products
	99.4	96.6	99.7	102.3	102.5	Non-food industrial products and tobacco
	99.4	100.9	98.6	100.8	101.6	Food products
	99.2	100.0	100.0	100.8	100.8	Food industrial products
(	101.1	100.6	100.3	100.0	100.0	Beverages (alcoholic and non-alcoholic)
)	98.4	99.3	100.4	105.5	103.7	Services
	99.5	98.2	99.4	101.7	102.1	Goods
COICOP/Consumer Price Index by COICOP						
	99.7	99.7	99.8	101.4	101.5	Total
	99.0	100.1	98.7	100.3	100.8	Food and non-alcoholic beverages
	104.0	105.4	104.7	106.3	105.5	Alcoholic beverages, tobacco and narcotics
	100.7	100.4	101.4	101.0	99.6	Clothing and footwear
	99.8	101.1	99.4	99.8	100.0	Housing, water, electricity, gas and other fuels
	98.4	102.0	102.9	100.5	100.8	Furnishings, household equipment and routine maintenance of the house
	107.9	101.5	100.0	99.4	100.7	Health
	98.6	91.0	97.6	105.5	107.5	Transport
	98.9	95.1	100.7	108.5	100.7	Communication
	96.1	100.8	102.0	101.0	102.4	Recreation and culture
	100.1	100.1	100.3	99.7	99.9	Education
	98.8	101.2	100.9	103.8	101.9	Restaurants and hotels
	101.6	100.0	99.5	99.4	100.5	Miscellaneous goods and services

T-08026

T-08026: Price indices of catering services

2017=100

	2014	2015	2016	2018	
	98.3	98.8	99.2	102.3	Total
	98.3	99.1	99.5	101.5	Food
	99.0	100.1	100.1	101.4	Alcoholic beverages
	97.6	98.2	98.8	100.6	Non-alcoholic beverages
	98.6	97.9	98.2	105.4	Nights spent

T-08027:

T-08027: Chain price indices of catering services

= 100

previous year = 100

	2014	2015	2016	2017	2018	
	99.4	100.5	100.4	100.8	102.3	Total
	101.6	100.8	100.4	100.5	101.5	Food
	101.2	101.1	100.0	99.9	101.4	Alcoholic beverages
	101.0	100.6	100.7	101.2	100.6	Non-alcoholic beverages
	92.5	99.3	100.3	101.8	105.4	Nights spent

T-08 02 8

T-08 02 8 Average retail prices

in denars

	2016	2017	2018	Unit of measure	
					FOOD PRODUCTS
	87.23	73.85	75.07	kg	Rice
(500)	34.75	33.17	31.59	kg	Wheat flour (type 500)
(500)	48.11	48.55	49.15	kg	Bread of wheat flour (type 500)
(,)	94.60	95.04	93.67	kg	Noodles with eggs
	236.34	244.08	229.28	kg	Biscuits
	27.00	28.04	27.93	kg	Potatoes
	152.52	165.08	149.20	kg	Beans
	29.85	25.53	30.38	kg	Onions
	98.97	97.90	94.74	kg	Ketchup
	89.94	89.84	91.80	kg	Canned peas, t n
	39.36	51.55	52.01	kg	Apples
	93.78	82.77	77.21	kg	Lemons
	168.99	166.41	154.68	kg	Mixed fruit jam
	325.22	340.14	335.67	kg	Young beef with bones
	240.90	254.88	258.56	kg	Pork with bones
	336.01	333.50	337.75	kg	Lamb
	180.68	183.39	184.20	kg	Slaughtered chicken
	258.71	266.00	276.38	kg	Chicken steak
	348.14	348.79	356.30	kg	Dried boneless pork shoulder
	335.43	353.89	381.25	kg	Dried pork bacon
	233.01	233.53	237.08	kg	Ham
	417.09	419.76	410.20	kg	Beef goulash, t n
	257.65	260.73	265.61	kg	Carp
, 125	339.66	344.79	338.95	kg	Sardines in oil, 125 gr, t n
	65.13	62.91	60.82	litre	Cooking oil
	8.00	8.10	7.90	pcs	Eggs
	42.90	48.84	49.60	litre	Cow's milk
	291.64	290.84	302.21	kg	Cheese
	397.98	396.73	395.29	kg	Yellow cheese (kashkaval)
, 250	385.38	437.26	502.80	kg	Butter, packaged, 250 gr
	38.14	41.15	32.95	kg	Sugar
	393.02	427.08	421.74	kg	Coffee
, 100	600.22	580.15	584.01	kg	Milk chocolate, packed 100 gr
					ALCOHOLIC BEVERAGES
	108.34	110.20	113.37	litre	Wines
	502.16	501.32	494.44	litre	Brandies
	847.92	843.32	856.26	litre	Vodka
, 1/2	78.97	78.84	77.99	l	Light beer, bottle 1/2l

T-08 02 8

T-08 02 8 Average retail prices

in denars

	2016	2017	2018	Unit of measure	
					NON-FOOD PRODUCTS
	76.75	82.02	87.72	box	Filter cigarettes, first class quality "Boss" brand
	208.61	209.86	222.27	kg	Food for dogs, dry food
	717.89	714.75	723.95	m	Thick textile material of combed textile fiber
	260.79	262.76	270.45	m	Textile material, women's
	125.44	128.13	131.76	m	Lining of artificial silk
	2 719.24	2 842.55	2 833.74	pcs	Jacket, lined, size 8-10
	7 706.92	7 635.80	7 324.37	pair	Men's clothing of fine-combed textile fiber, 80% wool
	7 040.71	7 011.02	6 935.85	pair	Men's clothing of rough-combed textile fiber
	3 210.75	3 129.93	3 166.65	pcs	Men's coat
	506.86	511.97	503.59	pcs	Baby clothes, size 0 or 1
	3 273.01	3 336.84	3 328.02	set	Women's costume
	1 102.45	1 108.74	1 089.81	pcs	Men's synthetic and cotton shirt
	148.64	152.22	162.88	pcs	Men's undershirt, tank top
	170.72	172.28	177.21	pcs	Women's undershirt, cotton
	1 713.50	1 688.37	1 709.65	pcs	Men's jeans
	1 229.68	1 185.55	1 184.65	pcs	Women's skirt
	97.63	102.51	95.82	pair	Men's socks
	84.35	85.96	81.83	pair	Children's socks
	124.42	125.22	125.55	pair	Synthetic women's socks
	1 454.05	1 481.60	1 482.36	pcs	Brocade quilt
	1 584.15	1 594.72	1 614.72	pcs	Blanket synthetic
	1 332.25	1 312.07	1 287.00	set	Bedding set for one person
	6 835.56	7 224.78	7 446.98	pcs	Carpet, velvet-synthetic
	3 589.18	3 497.56	3 453.38	pair	Men's flat shoes
	3 028.68	2 953.67	2 954.23	pair	Women's flat shoes
	2 781.31	2 727.01	2 576.85	pair	Women's sandals
	2 456.05	2 524.74	2 503.09	pair	Children's deep shoes with leather soles
	3 886.78	3 865.69	3 847.48	pcs	Women's bag
	3 492.29	3 361.72	3 457.28	pcs	Tires
	3 312.89	3 318.66	3 324.86	m ³	Firewood
	6.57	6.55	6.54	kW	Electricity supply to households, tariff I
	60 071.78	65 291.94	63 070.48	set	Bedroom furniture
	37 975.50	38 477.21	38 619.90	set	Sitting room furniture
	13 697.42	14 096.84	14 053.42	pcs	Automatic electric ovens

T-08 02 8

T-08 02 8 Average retail prices

in denars

	2016	2017	2018	Unit of measure	
	16 799.37	17 377.44	17 801.55	pcs	Washing machine
, 12	17 550.80	17 726.33	17 535.92	pcs	Dishwasher for 12 persons
(80-90) , 300	18 685.87	18 519.84	18 738.03	pcs	Refrigerator with compressor, c/a 300l
	24 380.76	23 445.73	21 905.50	pcs	Colour television set
	121.97	124.74	121.90	pcs	Wash-bowl made of polyethylene
	1 972.85	1 996.35	2 023.95	pcs	Electric mixer
, 3	675.87	676.70	657.33	pcs	Enameled pot, about 3l
6	1 671.26	1 680.03	1 671.21	set	Eating utensils for 6 persons
6	2 539.94	2 510.68	2 469.12	set	Dinnerware for 6 persons
100	43.05	45.40	48.22	pcs	Paper napkins 100 plies
, 10	46.19	46.37	46.79	pcs	Aluminum foil 10m
	191.48	193.33	192.26	kg	Soap
, 50	342.68	336.43	355.55	kg	Toilet soap, 50gr
, 50-60	96.70	98.97	94.36	tube	Toothpaste, 50-60ml
	92.74	97.71	102.76	l	Liquid dishwashing detergent
	113.28	110.52	112.85	kg	Detergent for machine washing
	280.75	284.79	283.61	kg	Detergent for machine dishwashers
, 60	13.63	14.68	15.85	pcs	Notebook, 60 pages
	8 255.10	8 557.49	15 056.77	pcs	Bicycle
- 95	61.16	64.38	69.16	l	EUROSUPER -BS 95
- 98	63.07	66.24	71.38	l	EUROSUPER -BS 98
- (- V)	46.48	50.92	62.08	l	EURODIESEL - BS (D-E V)
	256.01	256.25	288.87	l	Motor oil
	14.37	14.41	14.12	pcs	Brick
	335.48	319.25	308.87	50kg	Cement
	12 014.53	12 091.82	12 181.42	m ³	Fir planks
	70.51	70.67	70.57	kg	Nails
3	578.41	582.19	583.95	m ²	Window pane, 3mm
, 50	503.27	511.63	538.80	kg	Copper mat e-50
					SERVICES
-	1 483.06	1 074.42	1 095.76	monthly	Services of fitness clubs
	23 275.26	23 537.98	24 096.88		Burial services
	345.69	350.87	356.22	pair	Soling shoes
	125.23	126.91	130.68		Haircut
	246.39	249.69	253.64		Hair-set
	164.69	143.13	150.54	ticket	Cinema ticket
	219.02	163.27	164.05	ticket	Theatre ticket
	1 800.00	1 800.00	1 800.00		Obtaining a new passport
	94.35	101.50	102.81	pcs	Hamburger

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FOB (free on board),

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Notes on methodology

Sources and methods of data gathering

Data on industrial producer prices on the domestic market are collected in the "Monthly Report on Industrial producer prices on the domestic market" (C.doma). The reporting units fill in the data on monthly average industrial producer prices on the domestic market.

Data on industrial producer prices on the non-domestic market are collected in the "Monthly Report on export prices (Industrial producer prices on the non-domestic market", (C.izvoz). The reporting units fill in the data on monthly average industrial producer prices on the non-domestic market.

Scope

Industrial producer prices on the domestic market are monitored in the sections: Mining and quarrying, Manufacturing and Electricity, gas, steam and air conditioning supply.

Industrial producer prices on the non-domestic market are monitored in the sections: Mining and quarrying and Manufacturing.

Definitions

The Industrial producer price on the domestic market is the price at which the producer sells the products to the network of wholesale and retail distributors in the largest quantities, on the domestic market, loaded free on rail or truck where the producer is located. This price includes producer subsidies, but deducts commercial rebates, discounts and cash discounts and similar reductions offered by the seller. VAT and excises are also deducted from the price.

The Industrial producer price on the non-domestic market is the price at which the producer sells the products in the largest quantities, on the non-domestic market, with FOB (free on board) clause, which means that the cost of transport and insurance to the Macedonian border are included in the price. Commercial rebates by the seller are deducted from this price. VAT is also deducted from the price.

The average monthly price of a product/service is calculated when the total monthly value (according to the definitions given above) of that product/service is divided by the total quantity of the same product/service sold in that month.

Producer prices from the base period are calculated as the arithmetic average of the monthly prices of the industrial products.

Price indices

The industrial producer price indices, total, are calculated as the weighted average of the industrial producer price indices on the domestic market and the industrial producer price indices on the non-domestic market. The indices are processed by groups, divisions and sections of the National Classification of Activities (NKD Rev.2). The weights for the calculation of indices are calculated from the turnover on the domestic and non-domestic market from the "Annual report on industry, 2015" (IND.21)

The industrial producer price indices on the domestic and non-domestic market, at different levels of the National Classification of Activities (total, by main industrial groups, sections, divisions), are calculated in two steps: in the first step, the individual indices of each product are calculated, for each individual price, as a ratio between the price of the current month and the base period price, while in the second step, the individual indices of each product are compiled by weighting at a higher level (total, by main industrial groups, sections, divisions). Weights for the calculation of the industrial producer price indices on the domestic market are calculated from the turnover on the domestic market from the "Annual report on industry, 2015" (IND.21). Weights for the calculation of the industrial producer price indices on the non-domestic market are calculated from the turnover on the non-domestic market from the "Annual report on industry, 2015" (IND.21) and the value of exports from "External trade, 2015".

The monthly industrial producer price indices, both on the domestic and non-domestic market, are calculated with the Laspeyres formula.

-0803.1:

-0803.1: Industrial producer price indices on the domestic market

= 100		previous year = 100							
1971	-	1981	143.0	1991	212.0	2001	102.0	2011	112.4
1972	115.5	1982	128.6	1992	2298.2	2002	99.2	2012	104.6
1973	113.6	1983	133.7	1993	358.3	2003	100.0	2013	100.4
1974	129.0	1984	153.0	1994	188.9	2004	100.9	2014	98.8
1975	125.0	1985	188.4	1995	104.7	2005	103.2	2015	96.1
1976	108.3	1986	170.3	1996	99.7	2006	106.8	2016 ¹⁾	99.8
1977	109.2	1987	193.5	1997	104.2	2007	102.5	2017	100.8
1978	109.5	1988	291.3	1998	104.0	2008	110.1	2018	99.7
1979	114.1	1989	1457.4	1999	99.9	2009	92.8		
1980	124.3	1990	493.8	2000	108.9	2010	108.7		

¹⁾ (2015).

¹⁾ With the change of the base year (2015), the elementary indices have been rebased

-0803.2

¹⁾

-0803.2 Industrial producer price indices on the domestic market¹⁾

2008	2009	2010	2011	2012	2013	2014	2015	2016 ²⁾	2017	2018
100.0	92.8	100.8	113.4	118.5	119.0	117.6	113.0	112.8	113.7	113.3
107.8	100.0	108.7	122.2	127.8	128.3	126.8	121.8	121.5	122.5	122.2
99.2	92.0	100.0	112.4	117.6	118.1	116.7	112.1	111.8	112.8	112.4
88.2	81.8	88.9	100.0	104.6	105.0	103.8	99.7	99.5	100.3	100.0
84.4	78.3	85.0	95.6	100.0	100.4	99.2	95.3	95.1	95.9	95.6
84.0	77.9	84.7	95.2	99.6	100.0	98.8	95.0	94.7	95.5	95.2
85.0	78.9	85.7	96.4	100.8	101.2	100.0	96.1	95.9	96.6	96.3
88.5	82.1	89.2	100.3	104.9	105.3	104.1	100.0	99.8	100.6	100.3
88.7	82.3	89.4	100.5	105.1	105.5	104.3	100.2	100.0	100.8	100.5
88.0	81.6	88.7	99.7	104.3	104.7	103.5	99.4	99.2	100.0	99.7
88.2	81.9	89.0	100.0	104.6	105.0	103.8	99.7	99.5	100.3	100.0

¹⁾

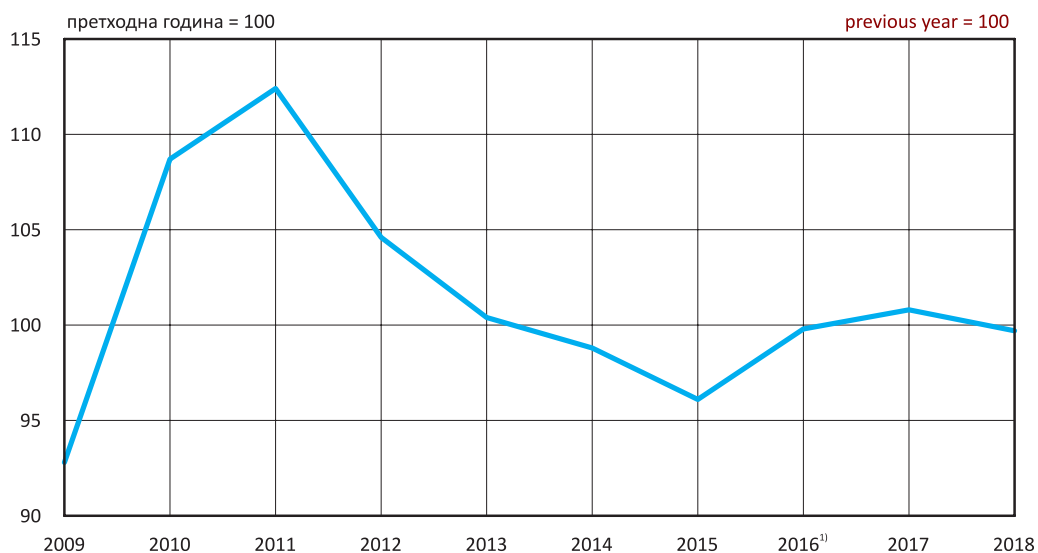
¹⁾ Data are to be read only horizontally

²⁾ (2015).

²⁾ With the change of the base year (2015), the elementary indices have been rebased

-08.03.1:

G-08.03.1: Industrial producer price indices on the domestic market



¹⁾ (2015).

¹⁾ With the change of the base year (2015), the elementary indices have been rebased

T-0803.3

T-0803.3 Industrial producer price indices on the domestic market

2015 = 100

	2014	2015	2016	2017	2018	
	104.1	100.0	99.8	100.6	100.3	TOTAL
						by MIGs
	110.5	100.0	102.8	100.8	94.3	Energy
	100.8	100.0	96.1	97.9	100.4	Intermediate goods, except energy
	99.9	100.0	108.5	110.4	110.9	Capital goods
	100.5	100.0	100.2	101.5	102.2	Consumer goods
	99.3	100.0	101.7	102.5	104.3	Durable goods
	100.5	100.0	100.1	101.5	102.1	Non-durable goods
						by sections and divisions
	99.4	100.0	108.9	101.2	86.0	B MINING AND QUARRYING
05	99.1	100.0	110.4	101.5	83.8	05 Mining of coal and lignite
08	100.4	100.0	99.8	99.3	99.0	08 Other mining and quarrying
	105.3	100.0	99.0	100.6	101.8	C MANUFACTURING
10	100.0	100.0	98.4	98.5	99.6	10 Manufacture of food products
11	99.5	100.0	102.3	103.2	103.9	11 Manufacture of beverages
12	102.0	100.0	100.6	106.8	110.9	12 Manufacture of tobacco products
13	98.8	100.0	99.2	98.7	99.5	13 Manufacture of textiles
14	104.1	100.0	99.0	100.8	100.9	14 Manufacture of wearing apparel
15	105.6	100.0	99.7	137.8	106.7	15 Manufacture of leather and related products
16	100.3	100.0	101.0	100.3	101.1	16 Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials
17	100.8	100.0	98.5	99.0	101.5	17 Manufacture of paper and paper products
18	100.8	100.0	105.3	105.0	106.0	18 Printing and reproduction of recorded media
19	123.1	...	...	...	...	19 Manufacture of coke and refined petroleum products
20	100.9	100.0	100.1	99.2	98.6	20 Manufacture of chemicals and chemical products

T-0803.3

T-0803.3 Industrial producer price indices on the domestic market

2015 = 100

	2014	2015	2016	2017	2018	
21	99.0	100.0	100.7	101.3	101.4	21 Manufacture of basic pharmaceutical products and pharmaceutical preparations
22	97.0	100.0	101.5	101.6	100.4	22 Manufacture of rubber and plastic products
23	103.0	100.0	94.0	93.7	95.3	23 Manufacture of other non-metallic mineral products
24	100.9	100.0	93.1	104.7	109.3	24 Manufacture of basic metals
25	99.7	100.0	109.2	111.5	110.3	25 Manufacture of fabricated metal products, except machinery and equipment
27	102.1	100.0	99.1	102.7	110.0	27 Manufacture of electrical equipment
28	101.1	100.0	99.6	99.8	102.5	28 Manufacture of machinery and equipment n.e.c.
29	100.5	100.0	100.2	100.0	100.6	29 Manufacture of motor vehicles, trailers and semi-trailers
30	101.6	...	...	...	...	30 Manufacture of other transport equipment
31	99.1	100.0	102.8	103.8	106.7	31 Manufacture of furniture
32	99.8	100.0	100.0	101.7	101.9	32 Other manufacturing
33	103.3	100.0	97.5	97.5	97.5	33 Repair and installation of machinery and equipment
	98.7	100.0	100.2	100.5	97.9	D ELECTRICITY, GAS, STEAM AND AIR CONDITIONING SUPPLY
35	98.7	100.0	100.2	100.5	97.9	35 Electricity, gas, steam and air conditioning supply

08.03. Продажни цени на производителите на индустриски производи

08.03. Industrial producer prices

T-08034:

1)

T-08034: Industrial producer price indices on the domestic market¹⁾

= 100

previous year = 100

	2014	2015	2016	2017	2018	
	98.8	96.1	99.8	100.8	99.7	TOTAL
						by MIGs
	99.0	90.5	102.8	98.0	93.6	Energy
	100.2	99.2	96.1	101.9	102.5	Intermediate goods, except energy
	97.5	100.1	108.5	101.8	100.4	Capital goods
	98.0	99.5	100.2	101.4	100.6	Consumer goods
	100.7	100.7	101.7	100.7	101.8	Durable goods
	98.0	99.5	100.1	101.4	100.6	Non-durable goods
						by sections and divisions
	109.2	100.6	108.9	92.9	85.0	B MINING AND QUARRYING
05	110.3	100.9	110.4	91.9	82.6	05 Mining of coal and lignite
08	104.7	99.6	99.8	99.5	99.7	08 Other mining and quarrying
	98.0	95.0	99.0	101.6	101.3	C MANUFACTURING
10	96.8	100.0	98.4	100.1	101.1	10 Manufacture of food products
11	101.0	100.5	102.3	100.9	100.7	11 Manufacture of beverages
12	94.3	98.0	100.6	106.1	103.9	12 Manufacture of tobacco products
13	100.0	101.3	99.2	99.4	100.8	13 Manufacture of textiles
14	96.2	96.1	99.0	101.8	100.0	14 Manufacture of wearing apparel
15	94.5	94.7	99.7	138.2	77.4	15 Manufacture of leather and related products
16	99.4	99.7	101.0	99.3	100.8	16 Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials
17	99.2	99.2	98.5	100.5	102.5	17 Manufacture of paper and paper products
18	98.3	99.2	105.3	99.7	101.0	18 Printing and reproduction of recorded media
19	95.9	...	...	...	...	19 Manufacture of coke and refined petroleum products
20	101.5	99.1	100.1	99.1	99.4	20 Manufacture of chemicals and chemical products

08.03. Продажни цени на производителите на индустриски производи

08.03. Industrial producer prices

T-0803.4:

1)

T-0803.4: Industrial producer price indices on the domestic market¹⁾

= 100

previous year = 100

	2014	2015	2016	2017	2018	
21	100.0	101.0	100.7	100.6	100.1	21 Manufacture of basic pharmaceutical products and pharmaceutical preparations
22	101.7	103.1	101.5	100.1	98.8	22 Manufacture of rubber and plastic products
23	107.5	97.0	94.0	99.7	101.7	23 Manufacture of other non-metallic mineral products
24	98.0	99.1	93.1	112.5	104.4	24 Manufacture of basic metals
25	97.5	100.3	109.2	102.1	98.9	25 Manufacture of fabricated metal products, except machinery and equipment
27	101.5	97.9	99.1	103.6	107.1	27 Manufacture of electrical equipment
28	97.9	99.0	99.6	100.2	102.7	28 Manufacture of machinery and equipment n.e.c.
29	99.7	99.5	100.2	99.8	100.5	29 Manufacture of motor vehicles, trailers and semi-trailers
30	98.6	...	...	...	...	30 Manufacture of other transport equipment
31	100.1	100.9	102.8	101.0	102.8	31 Manufacture of furniture
32	96.0	100.2	100.0	101.7	100.2	32 Other manufacturing
33	98.9	96.8	97.5	100.0	100.0	33 Repair and installation of machinery and equipment
	101.1	101.4	100.2	100.3	97.4	D ELECTRICITY, GAS, STEAM AND AIR CONDITIONING SUPPLY
35	101.1	101.4	100.2	100.3	97.4	35 Electricity, gas, steam and air conditioning supply

¹⁾ (2015).

¹⁾ With the change of the base year (2015), the elementary indices have been rebased

T-08035

T-08035 Industrial producer price indices on the non-domestic market

2015 = 100

	2015	2016	2017	2018	
	100.0	95.2	102.1	103.8	TOTAL
					by Main industrial groups
	100.0	91.6	102.5	105.4	Intermediate goods, except energy
	100.0	93.5	97.6	96.8	Capital goods
	100.0	102.4	105.0	106.5	Consumer goods
	100.0	101.7	101.0	101.9	Durable goods
	100.0	102.4	105.2	106.7	Non-durable goods
					by sections and divisions
	100.0	94.2	132.4	140.9	B MINING AND QUARRYING
07	100.0	93.4	136.3	146.3	07 Mining of metal ores
08	100.0	99.9	104.3	102.0	08 Other mining and quarrying
	100.0	95.3	99.9	100.9	C MANUFACTURING
10	100.0	101.5	101.8	100.6	10 Manufacture of food products
11	100.0	100.8	100.2	100.2	11 Manufacture of beverages
12	100.0	103.8	114.8	115.7	12 Manufacture of tobacco products
13	100.0	101.3	102.1	100.3	13 Manufacture of textiles
14	100.0	102.0	104.4	108.5	14 Manufacture of wearing apparel
15	100.0	103.4	103.3	108.3	15 Manufacture of leather and related products
16	100.0	100.4	100.5	100.3	16 Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials
17	100.0	101.9	101.8	102.4	17 Manufacture of paper and paper products
20	100.0	101.9	102.9	100.7	20 Manufacture of chemicals and chemical products
21	100.0	104.8	107.3	111.4	21 Manufacture of basic pharmaceutical products and pharmaceutical preparations

T-08035

T-08035 Industrial producer price indices on the non-domestic market

2015 = 100

	2015	2016	2017	2018	
22	100.0	99.6	97.4	98.4	22 Manufacture of rubber and plastic products
23	100.0	96.0	94.8	97.0	23 Manufacture of other non-metallic mineral products
24	100.0	85.7	96.2	99.3	24 Manufacture of basic metals
25	100.0	91.7	91.2	98.0	25 Manufacture of fabricated metal products, except machinery and equipment
26	100.0	100.0	100.0	97.2	26 Manufacture of computer, electronic and optical products
27	100.0	96.6	99.6	100.5	27 Manufacture of electrical equipment
28	100.0	89.8	97.8	92.6	28 Manufacture of machinery and equipment n.e.c.
29	100.0	105.8	97.4	111.5	29 Manufacture of motor vehicles, trailers and semi-trailers
30	100.0	100.0	100.0	100.0	30 Manufacture of other transport equipment
31	100.0	101.1	99.7	101.0	31 Manufacture of furniture
32	100.0	101.1	101.4	101.4	32 Other manufacturing

T-08036

T-08036 Industrial producer price indices, total

2015 = 100

	2015	2016	2017	2018	
	100.0	96.9	101.6	102.5	TOTAL
					by Main industrial groups
	100.0	102.8	100.8	94.3	Energy
	100.0	92.8	101.3	104.1	Intermediate goods, except energy
	100.0	94.3	98.3	97.5	Capital goods
	100.0	101.3	103.3	104.3	Consumer goods
	100.0	101.7	101.7	103.0	Durable goods
	100.0	101.2	103.3	104.4	Non-durable goods
					by sections and divisions
	100.0	99.2	121.8	122.3	B MINING AND QUARRYING
05	100.0	110.4	101.5	83.8	05 Mining of coal and lignite
07	100.0	93.4	136.3	146.3	07 Mining of metal ores
08	100.0	99.8	102.4	100.8	08 Other mining and quarrying
	100.0	96.5	100.1	101.2	C MANUFACTURING
10	100.0	99.3	99.4	99.9	10 Manufacture of food products
11	100.0	101.9	102.4	102.9	11 Manufacture of beverages
12	100.0	102.8	112.4	114.3	12 Manufacture of tobacco products
13	100.0	101.1	101.8	100.2	13 Manufacture of textiles
14	100.0	101.8	104.3	108.2	14 Manufacture of wearing apparel
15	100.0	102.7	109.8	108.0	15 Manufacture of leather and related products
16	100.0	101.0	100.3	101.0	16 Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials
17	100.0	99.0	99.4	101.7	17 Manufacture of paper and paper products
18	100.0	105.3	105.0	106.0	18 Printing and reproduction of recorded media

T-08036

T-08.03.6 Industrial producer price indices, total

2015 = 100

	2015	2016	2017	2018	
20	100.0	100.8	100.7	99.5	20 Manufacture of chemicals and chemical products
21	100.0	103.4	105.2	107.9	21 Manufacture of basic pharmaceutical products and pharmaceutical preparations
22	100.0	100.2	98.8	99.1	22 Manufacture of rubber and plastic products
23	100.0	94.5	94.0	95.8	23 Manufacture of other non-metallic mineral products
24	100.0	86.7	97.4	100.6	24 Manufacture of basic metals
25	100.0	99.5	100.3	103.5	25 Manufacture of fabricated metal products, except machinery and equipment
26	100.0	100.0	100.0	97.2	26 Manufacture of computer, electronic and optical products
27	100.0	96.8	99.9	101.3	27 Manufacture of electrical equipment
28	100.0	90.0	97.8	92.8	28 Manufacture of machinery and equipment n.e.c.
29	100.0	105.8	97.4	111.4	29 Manufacture of motor vehicles, trailers and semi-trailers
30	100.0	100.0	100.0	100.0	30 Manufacture of other transport equipment
31	100.0	101.9	101.6	103.5	31 Manufacture of furniture
32	100.0	100.6	101.6	101.6	32 Other manufacturing
33	100.0	97.5	97.5	97.5	33 Repair and installation of machinery and equipment
	100.0	100.2	100.5	97.9	D ELECTRICITY, GAS, STEAM AND AIR CONDITIONING SUPPLY
35	100.0	100.2	100.5	97.9	35 Electricity, gas, steam and air conditioning supply

$$I_{(cc)t/o} = I_{(mc)t/o} * W_1 + I_{(lc)t/o} * W_2$$

- $I_{(cc)t/o}$ -
- $I_{(mc)t/o}$ -
- $I_{(lc)t/o}$ -
- $W_{o1/2}$ -
- $W_1 + W_2 = 1$

108

08.11; 08.12; 08.99; 16.10; 16.23; 20.16; 20.30; 20.52; 20.59; 22.21; 22.23; 23.12; 23.20; 23.32; 53.51; 23.52; 23.61; 23.62; 23.63; 23.64; 23.69; 23.70; 23.99; 24.10; 24.20; 24.33; 24.34; 25.11; 25.12; 25.21; 25.93; 27.32; 27.90.

$$I_{(mc)t/o} = \frac{\sum_{i=1}^n \frac{P_{ii}}{P_{oi}} * W_{oi}}{\sum_{i=1}^n W_{oi}}$$

- $I_{(cc)t/o}$ -
- P_t - "i"
- P_{oi} - "i"
- W_{oi} -
- t -
- O -

41 -

a

.2

$$I_{(lc)t/o} = \frac{S_t}{S_0} * 100$$

- $I_{(l)t/o}$ -
- S_t -
- S_{oi} -
- t -
- O -

Notes on methodology

Sources and methods of data gathering

The **construct on cost index for new residential buildings** is calculated as a weighted average of the Material cost index and the labour cost index:

$$I_{(cc)t/o} = I_{(mc)t/o} * W_1 + I_{(lc)t/o} * W_2$$

$I_{(cc)t/o}$ - Construct on cost index for new residential buildings

$I_{(mc)t/o}$ - Material cost index

$I_{(lc)t/o}$ - Labour cost index

$W_{o1/2}$ - Weights

$W_1 + W_2 = 1$

For calculation of the **Material cost index**, data from the Industrial producer prices on the domestic market are used, for 108 products belonging to these classes:

08.11; 08.12; 08.99; 16.10; 16.23; 20.16; 20.30; 20.52; 20.59; 22.21; 22.23; 23.12; 23.20; 23.32; 53.51; 23.52; 23.61; 23.62; 23.63; 23.64; 23.69; 23.70; 23.99; 24.10; 24.20; 24.33; 24.34; 25.11; 25.12; 25.21; 25.93; 27.32; 27.90.

The Material cost indices are calculated by using the Laspeyres formula:

$$I_{(mc)t/o} = \frac{\sum_{i=1}^n \frac{P_{ti}}{P_{oi}} * W_{oi}}{\sum_{i=1}^n W_{oi}}$$

$I_{(cc)t/o}$ - Material cost index

P_t - Price of the building material "i" in the current period (t)

P_{oi} - Price of the building material "i" in the base period (O)

W_{oi} - Weights

t - Current period

O - Base period

The **Labour cost index** is calculated on the basis of the average gross wages per employee in the Construct on sector, Division 41 - Construct on of buildings, from the National Classification of Activities (NKD Rev. 2).

$$I_{(lc)t/o} = \frac{S_t}{S_o} * 100$$

$I_{(lc)t/o}$ - Labour cost index

S_t - Average gross wage paid per employee in the current period (t)

S_{oi} - Average gross wage paid per employee in the base period (O)

t - Current period

O - Base period

-08.04.1:

1)

-08.04.1: Construct on cost indices for new resident al buildings¹⁾

2010	2011	2012	2013	2014	2015	2016	2017	2018
100.0	105.1	106.9	108.9	108.5	106.8	104.2	109.3	115.9
95.1	100.0	101.6	103.6	103.2	101.6	99.1	104.0	110.2
93.6	98.4	100.0	101.9	101.6	99.9	97.5	102.3	108.4
91.8	96.6	98.1	100.0	99.7	98.1	95.7	100.4	106.4
92.1	96.9	98.4	100.3	100.0	98.4	96.0	100.7	106.7
93.6	98.5	100.1	102.0	101.7	100.0	97.6	102.4	108.5
96.0	100.9	102.5	104.5	104.2	102.5	100.0	104.9	111.2
91.5	96.2	97.8	99.6	99.3	97.7	95.3	100.0	106.0
86.3	90.7	92.2	94.0	93.7	92.2	89.9	94.3	100.0

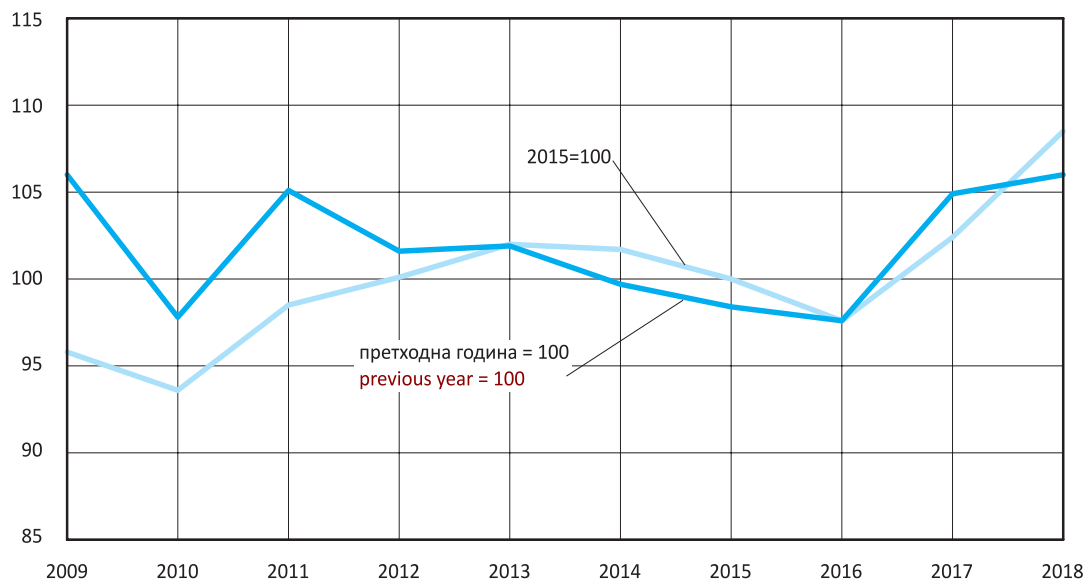
1)

o.

¹⁾Data are to be read only horizontally

-08.04.1:

G-08.04.1: Construct on cost indices for new resident al buildings



T-08.04.2

T-08.04.2 Construct on cost indices for new residential buildings

2015 = 100

	2014	2015	2016	2017	2018	
	101.7	100.0	97.6	102.4	108.5	Construct on costs for new residential buildings
	103.4	100.0	94.9	99.6	103.5	Material costs
	97.0	100.0	105.7	110.6	123.5	Labour costs

T-08.04.3

T-08.04.3 Construct on cost indices for new residential buildings¹⁾

¹⁾

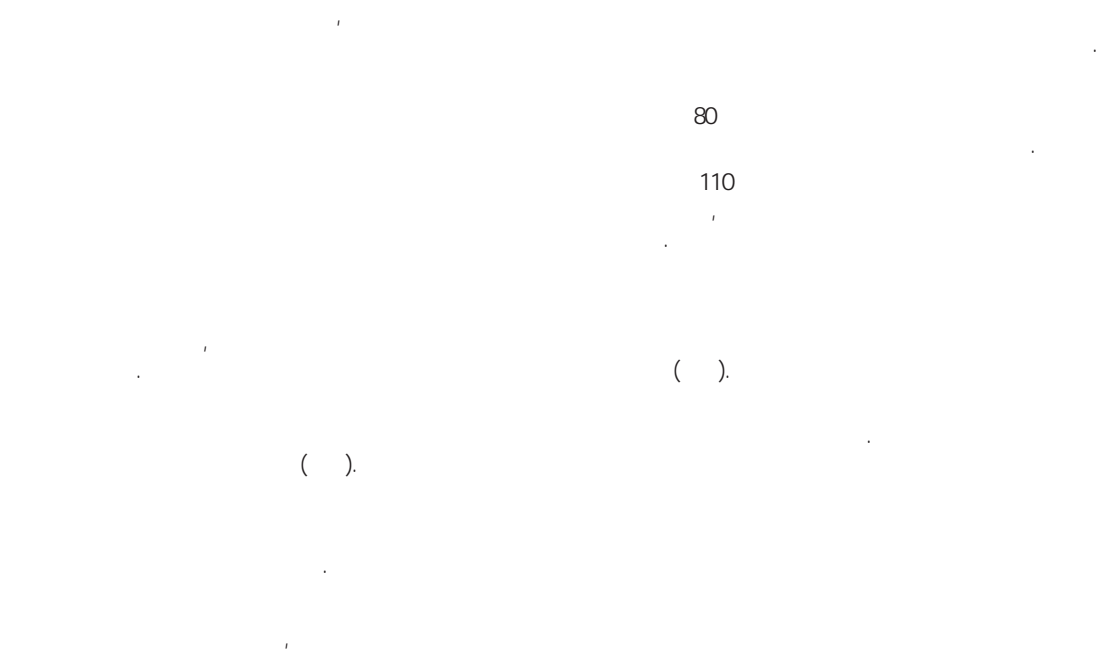
= 100

previous year = 100

	2014	2015	2016	2017	2018	
	99.7	98.4	97.6	104.9	106.0	Construct on costs for new residential buildings
	98.3	96.7	94.9	105.0	103.9	Material costs
	103.8	103.1	105.7	104.6	111.7	Labour costs

¹⁾ (2015),

¹⁾ With the change of the base year (2015), the elementary indices have been rebased



Notes on methodology

Sources and methods of data collecting

Data sources for prices of input and output are the monthly reports gathered from business entities engaged in wholesale trade, cooperatives and agricultural holdings that sell goods for current consumption in agriculture and products from agricultural sector sold outside the sector.

Scope

Input prices in agriculture are monitored monthly for approximately 80 products that business entities sell to individual agricultural producers for current uses in agricultural production.

Output prices in agriculture are monitored monthly for approximately 110 products that business entities purchase from individual producers, as well as sales of agricultural enterprises' own production.

Definitions

Input prices are prices of goods and services paid by agricultural producers and investments made for continuous agricultural production. VAT is excluded from the prices.

Output prices are prices paid to agricultural producers for purchasing agricultural products, or for sales of agricultural enterprises' own production. VAT is excluded from the prices.

Method of calculation

The compilation of the input and output price indices is based on Laspeyres formula with fixed weights and prices.

Classifications

Data on price indices in agriculture are collected and computed according to the National Nomenclature of Agricultural Products and Services.

-08.05.1:

T-08.05.1: Annual price indices of the output in agriculture

2015=100

	2010	2011	2012	2013	2014	2015	2016	2017	2018	
	84.6	84.3	96.1	98.4	99.4	100.0	93.9	93.7	97.9	Total output
	85.0	81.6	95.3	97.2	98.3	100.0	92.9	93.0	97.2	Crop product on
	97.9	131.5	128.7	124.8	107.3	100.0	93.5	88.4	95.0	Cereals and rice
	89.4	88.8	92.8	96.6	99.7	100.0	101.3	102.7	104.5	Industrial crops
	92.4	86.0	90.9	108.3	94.6	100.0	99.1	97.5	108.7	Forage plants
	87.3	67.9	90.1	82.4	89.8	100.0	86.9	87.7	93.6	Vegetables
	71.6	105.9	79.5	133.8	116.4	100.0	87.2	92.2	96.4	Potatoes
	75.2	85.3	100.7	112.4	111.5	100.0	108.4	106.0	101.7	Fruits and grapes
	84.3	100.9	115.9	100.4	100.4	100.0	100.2	104.6	105.1	Wine
	83.6	90.4	97.8	101.3	102.0	100.0	96.7	95.5	99.9	Livestock product on
	86.6	89.0	96.5	98.4	98.2	100.0	97.7	97.9	99.8	Livestock for slaughter
	81.6	91.4	98.8	103.4	104.6	100.0	95.9	93.7	100.0	Livestock products

-0805.2

T-08.05.2 Annual price indices of goods and services currently consumed in agriculture

2015=100

	2010	2011	2012	2013	2014	2015	2016	2017	2018	
	88.5	103.7	109.6	111.6	106.6	100.0	104.0	107.3	113.1	Total input
(1)	88.6	104.1	110.2	112.3	107.1	100.0	103.6	107.2	113.2	Input 1 (goods currently consumed in agriculture)
	90.1	96.7	101.8	103.1	104.1	100.0	108.1	106.3	107.1	Seeds and planting stocks
	95.6	132.1	144.3	138.3	130.9	100.0	108.2	122.5	141.9	Energy, fuels, lubricants
	84.7	92.0	97.0	101.1	101.3	100.0	99.8	96.5	99.6	Fertilisers and soil improvers
	94.7	98.4	97.5	98.7	99.2	100.0	99.9	100.1	100.8	Plant protection products and pesticides
	76.5	76.6	91.9	98.3	96.3	100.0	104.6	108.6	103.9	Veterinary expenses
	82.0	98.2	105.4	112.0	102.2	100.0	99.8	98.7	98.8	Fodder
	95.0	94.3	95.6	97.1	98.1	100.0	105.8	104.7	104.2	Maintenance of materials and buildings
	87.3	106.9	101.8	100.0	100.0	100.0	115.2	113.6	113.5	Other goods and services
(2)	86.4	98.6	99.3	99.2	99.1	100.0	109.3	109.7	111.0	Input 2 (investment in agriculture)
	94.2	98.3	100.2	100.1	98.9	100.0	100.5	101.2	103.9	Machines and other equipment
	100.0	100.8	98.1	98.4	99.8	100.0	100.1	103.9	104.3	Transport equipment
	76.2	98.2	98.9	98.7	99.1	100.0	130.1	128.5	127.5	Buildings