



15 KMETIJSTVO IN RIBIŠTVO
AGRICULTURE AND FISHING

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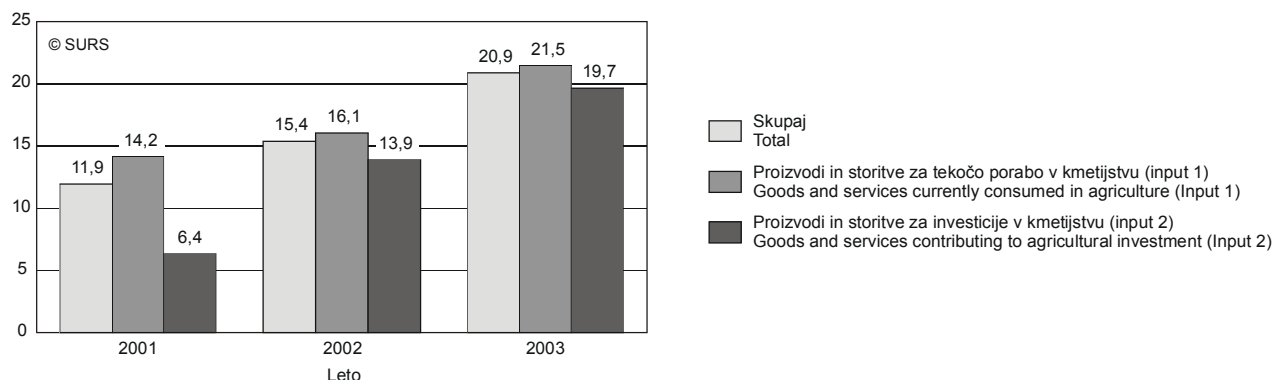
INDEKSI CEN INPUTOV V KMETIJSTVU, SLOVENIJA, 2000-2003
AGRICULTURAL INPUT PRICE INDICES, SLOVENIA, 2000-2003

- Cene inputov v kmetijstvu so se v letu 2003 v primerjavi s cenami v predhodnem letu zvišale povprečno za 4,8 % (cene proizvodov in storitev za tekočo porabo v kmetijstvu za 4,7 %, cene proizvodov in storitev za investicije v kmetijstvu pa za 5,1 %).
- Med cenami proizvodov in storitev za tekočo porabo v kmetijstvu (input 1) so se zvišale cene:
 - veterinarskih storitev (za 7,7 %)
 - semen in sadik (za 7,1 %)
 - drugih proizvodov in storitev (za 6,8 %)
 - energije in maziv (za 6,1 %)
 - sredstev za varstvo rastlin, krmil (za 5,2 %)
 - proizvodov in storitev za vzdrževanje opreme (za 2,8 %)
 - proizvodov in storitev za vzdrževanje zgradb (za 1,9 %).
- Znižale pa so se cene:
 - gnojil in sredstev za izboljšavo tal (za 1,6 %).
- Med cenami proizvodov in storitev za investicije v kmetijstvu (input 2) pa so se v letu 2003 v primerjavi s cenami v predhodnem letu zvišale cene drugih zgradb (za 9,6 %) in tudi cene opreme (za 3,1 %).
- In comparison with the previous year, in 2003 agricultural input prices increased on average by 4.8% (prices of goods and services currently consumed in agriculture were up by 4.7%, while prices of goods and services contributing to agricultural investment increased by 5.1%).
- Among goods and services currently consumed in agriculture (Input 1), goods and services whose prices increased were:
 - veterinary expenses (by 7.7%)
 - seeds and planting stock (by 7.1%)
 - other goods and services (by 6.8%)
 - energy and lubricants (by 6.1%)
 - plant protection products and pesticides, feedingstuffs (by 5.2%)
 - goods and services for maintenance of materials (by 2.8%)
 - goods and services for maintenance of buildings (by 1.9%).
- Products whose prices decreased:
 - fertilizers and soil improvers (by 1.6%).
- Among goods and services contributing to agricultural investment (Input 2), prices of other buildings and prices of materials increased by 9.6% and 3.1% respectively.

Slika 1: Letne stopnje rasti cen inputov v kmetijstvu, Slovenija, 2000-2003 (Ø 2000=100)

Chart 1: Annual growth rates of agricultural input prices, Slovenia, 2000-2003 (Ø 2000=100)

Stopnje rasti (v %)



1 Indeksi cen inputov v kmetijstvu, Slovenija, 2000-2003
Agricultural input price indices, Slovenia, 2000-2003

		Uteži Weights	Indeksi / Indices			
			2001	2002	2003	
200000	PROIZVODI IN STORITVE ZA TEKOČO PORABO V KMETIJSTVU (INPUT 1)	69943	114,2	116,1	121,5	GOODS AND SERVICES CURRENTLY CONSUMED IN AGRICULTURE (INPUT 1)
201000	Semena in sadike	4328	105,5	113,7	121,8	Seeds and planting stock
202000	Energija; maziva	13419	103,5	104,1	110,5	Energy; lubricants
202100	Električna energija	1073	105,6	110,8	115,0	Electricity
202200	Goriva za gretje	4620	100,5	98,3	103,8	Fuels for heating
202300	Motorna goriva	7189	104,9	105,4	112,7	Motor fuels
202400	Maziva	537	107,2	122,9	128,7	Lubricants
203000	Gnojila in sredstva za izboljšavo tal	6054	139,8	137,4	135,2	Fertilisers and soil improvers
203100	Enostavna gnojila	2845	144,4	141,9	140,8	Straight fertilizers
203110	Dušikova gnojila	2803	144,8	142,1	141,0	Nitrogenous fertilizers
203120	Fosfatna gnojila	42	122,3	122,6	127,6	Phosphatic fertilizers
203130	Kalijeva gnojila	...	...	...	...	Potassic fertilizers
203200	Sestavljena gnojila	3209	135,7	133,5	130,3	Compound fertilizers
203210	NP gnojila	...	...	...	...	NP fertilizers
203220	PK gnojila	161	117,2	114,3	118,2	PK fertilizers
203230	NPK gnojila	3048	136,7	134,5	130,9	NPK fertilizers
203900	Druga gnojila, sredstva za izboljšavo tal	...	...	...	...	Other fertilizers, soil improvers
204000	Sredstva za varstvo rastlin	5173	101,7	108,0	113,6	Plant protection products and pesticides
204100	Fungicidi	1759	105,2	109,2	117,6	Fungicides
204200	Insekticidi	517	82,0	89,1	94,2	Insecticides
204300	Herbicidi	2897	103,0	110,7	114,6	Herbicides
204900	Druga sredstva za varstvo rastlin	...	...	...	...	Other plant protection products
205000	Veterinarske storitve	4258	110,0	121,0	130,3	Veterinary expenses
206000	Krmila	24316	119,9	114,8	120,8	Animal feedingstuffs
206100	Žita in drugi proizvodi	3480	119,5	110,9	117,4	Straight feedingstuffs
206110	Žita in mleti proizvodi	2091	120,6	107,4	119,2	Cereals and milling by-products
206120	Oljne pogače	...	...	...	...	Oilcakes
206130	Proizvodi živalskega izvora	562	109,9	110,8	121,8	Products of animal origin
206190	Drugo	827	123,4	119,6	109,7	Other straight feedingstuffs
206200	Močna krmila	20836	119,9	115,5	121,4	Compound feedingstuffs
206210	Krmila za teleta	537	110,9	106,6	107,3	Compound feedingstuffs for calves
206220	Krmila za govedo (brez telet)	6020	118,0	113,1	117,2	Compound feedingstuffs for cattle (excluding calves)
206230	Krmila za prašiče	3732	122,8	118,2	130,6	Compound feedingstuffs for pigs
206240	Krmila za perutnino	9357	120,8	116,6	121,8	Compound feedingstuffs for poultry
206290	Krmila za ostalo živino	1190	117,4	114,5	117,0	Other compound feedingstuffs
207000	Vzdrževanje opreme	5812	112,0	116,4	119,7	Maintenance of materials
208000	Vzdrževanje zgradb	3457	105,5	114,4	116,6	Maintenance of buildings
209000	Drugi proizvodi in storitve	3126	118,0	146,6	156,6	Other goods and services
210000	PROIZVODI IN STORITVE ZA INVESTICIJE V KMETIJSTVU (INPUT 2)	30057	106,4	113,9	119,7	GOODS AND SERVICES CONTRIBUTING TO AGRICULTURAL INVESTMENT (INPUT 2)
211000	Oprema	20839	107,3	114,4	117,9	Materials
211100	Mehanizacija in druga oprema	10836	106,1	114,4	120,5	Machinery and other equipment
211110	Prekopalniki in druga dvokolesna oprema	...	...	...	...	Rotovators and other 2 wheel equipment
211120	Mehanizacija za pripravo tal, setev, gnojenje, nego in zaščito rastlin	3055	105,9	114,6	120,4	Machinery and plant for cultivation
211130	Mehanizacija za spravilo pridelkov	5863	105,8	114,7	121,9	Machinery and plant for harvesting
211140	Mehanizacija in druga oprema na kmetiji	1918	107,4	113,3	116,5	Farm machinery and installations
211200	Transportna oprema	10003	108,7	114,3	115,1	Transport equipment
211210	Traktorji	10003	108,7	114,3	115,1	Tractors
211290	Druga vozila	...	...	...	...	Other vehicles
212000	Zgradbe	9218	104,4	112,8	123,6	Buildings
212100	Kmetijske zgradbe (nestanovanjske)	...	...	...	...	Farm buildings (non-residential)
212900	Druga dela razen izboljšave tal (druge zgradbe, gradnje in p.)	9218	104,4	112,8	123,6	Other works except land improvements (other buildings, structures, etc.)
219000	Drugo	...	...	...	...	Other
220000	SKUPAJ (INPUT 1 + INPUT 2)	100000	111,9	115,4	120,9	TOTAL (INPUT 1 + INPUT 2)

STATISTIČNA ZNAMENJA

-	ni pojava
...	ni podatka
Ø	povprečje
*	popravljen podatek
0	podatek je manjši od 0,5 dane merske enote
0,0	podatek je manjši od 0,05 dane merske enote
1)	označba za opombo pod tabelo
x	spremenjena kakovost
()	nezadostno preverjen ali ocenjen podatek
↑←	zajeto s podatkom v smeri puščice

METODOLOŠKA POJASNILA

S statističnim raziskovanjem Cene inputov v kmetijstvu (KME-INPUT/M) smo nadomestili četrtletno statistično raziskovanje Nabavne cene reprodukcijskega materiala, sredstev za delo in storitev v kmetijstvu (CENE-52/ČL). Zaradi številnih težav, ki smo jih imeli pri izvedbi statističnega raziskovanja CENE-52/ČL že dalj časa, ter delne neusklajenosti njegove metodologije s priporočili evropskega statističnega urada (Eurostata) smo se v letu 2001 lotili revizije tega raziskovanja. Rezultat te revizije je novo mesečno statistično raziskovanje KME-INPUT/M.

V tej publikaciji objavljamo le letne bazne indekse za skupine ter glavne podskupine proizvodov in storitev, mesečni bazni indeksi za obdobje 2000–2003 in za tekoče obdobje pa so na voljo na oddelku za statistiko kmetijstva oz. bodo objavljeni tudi na spletni strani Statističnega urada RS.

Namen statističnega raziskovanja

S statističnim raziskovanjem Cene inputov v kmetijstvu (KME-INPUT/M) mesečno spremljamo gibanje cen proizvodov in storitev za tekočo porabo in investicije v kmetijstvu. Rezultati omenjenega statističnega raziskovanja (cene in indeksi cen) se uporabljajo zlasti za oceno vrednosti vmesne potrošnje v kmetijstvu v posameznem letu (Ekonomske računi za kmetijstvo), nadalje za razne analize stroškov v kmetijstvu ipd., cene natančno določenih proizvodov (energije, gnojil in krmil) pa se uporabljajo za primerjave ravni cen med posameznimi državami članicami Evropske unije.

Enote opazovanja

Enote opazovanja so trgovske organizacije, proizvodno-trgovske in storitvene organizacije, ki ponujajo proizvode in storitve za kmetijsko pridelavo.

Viri in metode zbiranja podatkov

Viri podatkov so izbrane trgovske organizacije, proizvodne organizacije (tiste, ki svoje proizvode za kmetijsko pridelavo prodajajo tudi končnemu kupcu), storitvene organizacije (npr. zavarovalnice), dokumentacija Statističnega urada RS (rezultati drugih statističnih raziskovanj, npr. Cen na drobno, Statistike gradbeništva), Uradni list RS (cene električne energije) ter Veterinarska zbornica Slovenije.

Izbrane enote pošiljajo na Statistični urad RS mesečno (ali ob spremembi cen) cenike svojih proizvodov/storitev ali cene samo izbranih proizvodov/storitev.

Zajetje

V izračun indeksov cen inputov v kmetijstvu so zajeti predvsem tisti proizvodi in storitve, ki predstavljajo pomemben delež v vrednosti vmesne potrošnje v Ekonomskih računih za kmetijstvo v baznem obdobju. Pri

STATISTICAL SIGNS

-	no occurrence of event
...	data not available
Ø	average
*	corrected data
0	value not zero but less than 0,5 of the unit employed
0,0	value not zero but less than 0,05 of the unit employed
1)	footnote
x	change of quality
()	incomplete or estimated data
↑←	covered in the datum in the direction of the arrow

METHODOLOGICAL EXPLANATIONS

Agricultural Input Price Statistics Survey (KME-INPUT/M) has replaced the quarterly statistical survey Purchase Prices of the Means of Agricultural Production (CENE-52/ČL). Due to many difficulties in implementing this statistical survey, which we had for a long time, and partly because of the incoherence of its methodology with the recommendations of the Statistical Office of the European Communities (Eurostat), in 2001 we started with the revision of CENE-52/ČL survey. The result of this revision is a new monthly KME-INPUT/M statistical survey.

In this publication we are publishing only annual base indices for groups and main subgroups of goods and services, while monthly base indices for the 2000–2003 period and for the current period are available at the Agricultural Statistics Department and they will be published on the web site of the Statistical Office of the Republic of Slovenia.

Purpose of the statistical survey

With the Agricultural Input Price Statistics Survey (KME-INPUT/M) we monthly observe the movement of prices of goods and services currently consumed in agriculture, as well as prices of goods and services contributing to agricultural investment. The results of this statistical survey (prices and price indices) are used in the first place for estimation of intermediate consumption value in agriculture in a certain year (Economic Accounts for Agriculture), then for different cost analyses in agriculture, etc., while prices of precisely defined products (energy, fertilizers and feedingstuffs) are mainly used for price levels comparisons among the Members States of the European Union.

Observation units

Observation units are trade organizations, production-trade and service organizations which offer goods and services for agricultural production.

Data sources and methods of data collection

Data sources are selected trade organizations, production organizations (those which offer sale of their products for agricultural production as well to final consumers), service organizations (e.g. insurance companies), documentation of the Statistical Office of the Republic of Slovenia (results of other statistical surveys, e.g. Retail Prices, Construction Statistics), Official Journal of the Republic of Slovenia (prices of electricity) and the Veterinary Chamber of Slovenia.

Selected units send to the Statistical Office monthly (or at price changes) price lists of their goods/services or only prices of selected goods/services.

Coverage

For calculating agricultural input price indices, mainly those goods and services with significant share in value of intermediate consumption in Economic Accounts for Agriculture in the base period are selected. By



izboru nekaterih reprezentativnih enot in proizvodov/storitev so nam pomagali tudi strokovnjaki s Kmetijskega inštituta Slovenije ter Kmetijsko-gozdarske zbornice Slovenije.

Definicije in druga pojasnila

Faza trženja

Cene inputov v kmetijstvu naj bi po priporočilu Eurostata spremljali v zadnji fazi trženja. To načelo velja predvsem za energijo, gnojila in krmila, za ostale proizvode in storitve pa se lahko upoštevajo cene tudi iz drugih faz trženja (npr. proizvajalčeve, veleprodajne cene proizvodov) ali indeksi cen iz drugih statističnih raziskovanj (npr. indeksi cen na drobno, indeksi cen industrijskih izdelkov pri proizvajalcih...). Pri nas smo sledili načelu spremljanja cen v zadnji fazi trženja pri vseh skupinah proizvodov in/ali storitev.

Obravnavanje davkov in subvencij

V ceni proizvoda/storitve so vključeni morebitni davki, neposredno vezani na določen proizvod/storitev (razen davka na dodano vrednost), niso pa vključene morebitne subvencije, neposredno vezane na določen proizvod/storitev.

Izračun povprečne mesečne/letne cene

Povprečno mesečno ceno izračunavamo za tiste proizvode/storitve, pri katerih je to mogoče. Pri izračunu si pomagamo z ustreznimi utežmi. Le-te predstavljajo ocene tržnih deležev posameznih proizvodov/storitev ali ocene tržnih deležev izbranih enot v baznem obdobju.

Povprečno letno ceno posameznega proizvoda/storitve pa izračunavamo z navadno aritmetično sredino dejanskih evidentiranih cen (t. i. "vlečenih cen" ne upoštevamo).

Bazno obdobje

Bazno obdobje je obdobje, na katero se nanašajo podatki, ki jih uporabimo:

- za izračun baznih cen izbranih proizvodov in storitev ter
- za izračun dveh shem uteži (prve za izračun povprečnih mesečnih cen proizvodov/storitev ter druge za izračun indeksov cen skupin proizvodov in/ali storitev).

Bazno obdobje (leto) se menja na vsakih 5 let (leta, ki se končajo na "0" ali "5"). Zdaj je bazno obdobje leto 2000.

Bazne cene

Bazne cene izbranih proizvodov/storitev predstavljajo njihove povprečne letne cene v baznem letu.

Izračun indeksov cen

Indekse cen skupin proizvodov in storitev za tekočo porabo in investicije v kmetijstvu izračunavamo po Laspeyresovi formuli; to pomeni, da primerjamo cene izbranih proizvodov/storitev v tekočem obdobju z njihovimi cenami v baznem obdobju (povprečnimi letnimi cenami v baznem letu). Pri izračunih indeksov cen skupin proizvodov in/ali storitev si pomagamo z utežmi za vsak izbrani proizvod/storitev.

Osnovni vir podatkov za izračun uteži posameznih skupin proizvodov in/ali storitev so ocene vrednosti njihove potrošnje v Ekonomskih računih za kmetijstvo nacionalne ekonomije v baznem letu. Za izračun uteži podskupin proizvodov/storitev, za katere ni bilo moč dobiti podatkov v Ekonomskih računih za kmetijstvo, in za izračun uteži posameznih proizvodov/storitev pa smo si pomagali z ocenami vrednosti njihove potrošnje v baznem letu, ki smo jih izračunali s pomočjo drugih virov (npr. podatkov drugih statističnih raziskovanj, administrativnih virov...).

Cene proizvodov in storitev za tekočo porabo in investicije v kmetijstvu spremljamo mesečno. V primerih, ko za posamezen mesec cena določenega proizvoda ni na voljo (npr. pri sezonskih proizvodih),

selecting some representative reporting units and goods/services, we were assisted by also some experts from the Agricultural Institute of Slovenia and the Chamber of Agriculture and Forestry of Slovenia.

Definitions and other explanations

Marketing stage

According to Eurostat's recommendations, agricultural input prices should be recorded in the last marketing stage. This principle applies mainly for energy, fertilizers and feedingstuffs, while for other goods and services prices from other marketing stages (e.g. producer prices, wholesale prices, etc.) or price indices of other statistical surveys (e.g. retail price indices, producer price indices, etc.) can be also taken into account. In our case we followed the principle of price recording in the last marketing stage by all groups of goods and/or services.

Treatment of taxes and subsidies

The price of a product/service includes eventual taxes directly linked to the product/service (except value added tax), while eventual subsidies directly linked to the product/service are excluded.

Calculation of an average monthly/annual price

Where possible, we calculate the average monthly price for a certain product/service. By calculation we utilize appropriate weights. These weights represent an estimation of market shares of certain goods/services or market shares of selected reporting units in the base period.

The average annual price of a certain product/service is calculated by the common arithmetic mean of actually recorded prices (so called "last known quotations" are not considered).

Base period

The base period is the period whose data are used:

- for calculation of base prices of selected goods and services and
- for calculation of two schemes of weights (first for calculation of average monthly prices of goods/services and second for calculation of price indices of groups of goods and/or services).

The base period (year) changes every 5 years (years which end on "0" or "5"). Currently the year 2000 represents the base period.

Base prices

Base prices of selected goods/services are represented by their average annual prices in the base year.

Calculation of price indices

We calculate price indices of groups of goods and services for current consumption and for agricultural investment according to Laspeyres formula, which means that we compare prices of selected goods/services in the current period with their prices in the base period (average annual prices in the base year). By calculation of price indices of groups of goods and/or services, we utilize weights for each selected product/service.

For groups of goods and/or services the primary data source for calculation of their weights represent the estimations of their consumption values in Economic Accounts for Agriculture of national economy in the base year. For subgroups of goods/services, for which we can not obtain data from Economic Accounts for Agriculture, and for certain goods/services we calculate their weights by estimating their consumption values in the base year concerning other sources (e.g. data from other statistical surveys, administrative sources, etc.).

We monthly observe prices of goods and services currently consumed in agriculture, as well as prices contributing to agricultural investment. If a price of a certain product is not available in a certain month (e.g. by



upoštevamo pri izračunu indeksov cen njegovo zadnjo evidentirano ceno.

Preračun indeksov cen

Zaradi menjave baznega leta na vsakih 5 let je za daljšo primerljivost serij indeksov cen inputov v kmetijstvu potreben preračun indeksov cen za predhodno obdobje. Preračun indeksov cen na novo bazno leto (bazo) zajema tri glavne spremembe: spremembo referenčnega leta, spremembo uteži ter usklajevanje konceptov in metod izračuna.

Ker pa so podatki iz Ekonomskih računov za kmetijstvo za novo bazno leto razpoložljivi s časovnim zamikom, se pričakuje, da so indeksi cen inputov v kmetijstvu za novo bazno leto na voljo Eurostatu v tretjem letu, ki sledi novemu baznemu letu (leta, ki se končajo s "3" ali "8"). Zaradi metodoloških sprememb v drugi polovici leta 2003 (uskladitev sheme skupin in podskupin proizvodov/storitev statistike cen inputov v kmetijstvu s shemo skupin in podskupin proizvodov/storitev iz Ekonomskih računov za kmetijstvo) pa se indekse cen inputov v kmetijstvu na novo bazo (2000=100) pričakuje z letom 2004.

Rezultati statističnega raziskovanja KME-INPUT/M (cene in indeksi cen) so na voljo od leta 2000. Preračun indeksov cen inputov v kmetijstvu za obdobje pred letom 2000 pa zaradi metodoloških sprememb (v primerjavi s predhodnim četrtletnim statističnim raziskovanjem CENE-52/ČL) ni možen.

Objavljanje rezultatov:

Mesečno:

- Prva objava. Kmetijstvo in ribištvo. Indeksi cen inputov v kmetijstvu

Letno:

- Statistične informacije. Kmetijstvo in ribištvo. Indeksi cen inputov v kmetijstvu
- Statistični letopis

seasonal products), we take into account the last known quotation for price index calculation.

Recalculation of price indices

For longer comparisons of agricultural input price index series due to the base year alteration on every 5 years, recalculation of price indices for the previous period is required. Recalculation of price indices on a new base year (base) consists of three main changes: change of the reference year, change of weights and harmonization of concepts and methods of calculation.

Because data of Economic Accounts for Agriculture for a new base year are available with temporal delay, it is expected that agricultural input price indices on a new base year are available to Eurostat in the third year that follows the new base year (years which end on "3" or "8"). Due to methodological changes in the second half of 2003 (harmonization of the scheme of groups and subgroups of goods/services of Agricultural Input Price Statistics Survey according to the scheme of groups and subgroups of goods/services of Economic Accounts for Agriculture), agricultural input price indices on a new base (2000=100) are expected from 2004 on.

Results of the KME-INPUT/M statistical survey (prices and price indices) are available from the year 2000 on. Due to methodological changes (in comparison with the previous quarterly CENE-52/ČL statistical survey), recalculation of agricultural input price indices for the period before the year 2000 is not possible.

Data publishing:

Monthly:

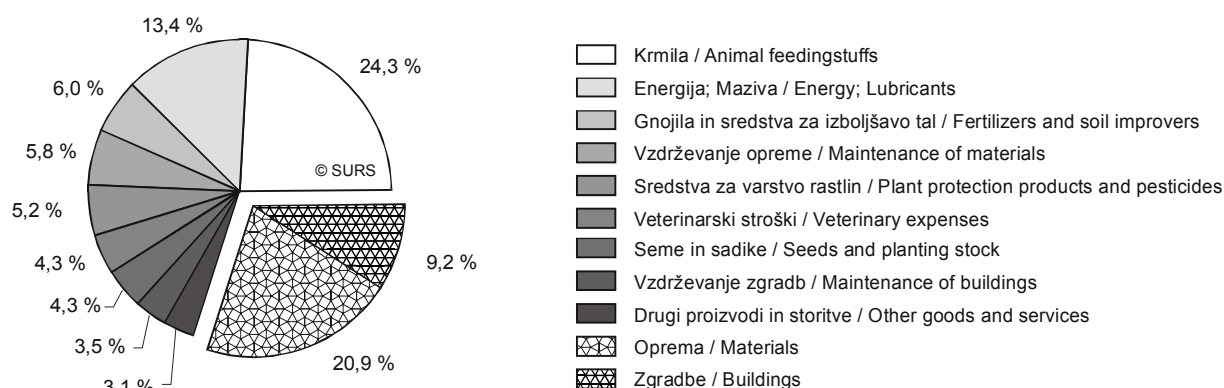
- First Release. Agriculture and Fishing. Agricultural Input Price Indices

Yearly:

- Rapid Reports. Agriculture and Fishing. Agricultural Input Price Indices
- Statistical Yearbook

Slika 2: Deleži skupin v indeksu cen inputov v kmetijstvu, Slovenija, 2000

Chart 2: Shares of groups in the agricultural input price index, Slovenia, 2000



Sestavila / Prepared by: Helena Puc

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