

**Quality report**

# Prices for agricultural products and processed products in markets for 2024

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S.1 Contact details

S.1.1 Organization

Bureau of National Statistics of the Agency for Strategic Planning and Reforms of the Republic of Kazakhstan (Bureau)

S.1.2 Structural unit

Department of Price Statistics for the Agricultural Sector and Construction Works of the Department of Price Statistics

S.1.3 Name of contact person

Kanat Ukibassov

S.1.3.1 Name of the head of the responsible structural unit

Kuanyshbek Zhakypbekuly

S.1.5 Postal address of the contact person

010000, Kazakhstan, Astana, Mangilik el Avenue 8, House of Ministries, entrance 4

S.1.6 Contact person's email address

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S.1.7 Contact person's telephone number

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S.2 Introduction-Relevance

National statistical monitoring of prices for agricultural products and processed products sold in markets in cities and regions of the Republic of Kazakhstan has been carried out on a monthly basis since 2004.

Prices for agricultural products and processed products in markets are used:

1) to calculate the total income of persons applying for targeted social assistance by the Ministry of Labor and Social Protection of the Population of the Republic of Kazakhstan;

2) in calculations of gross agricultural output.

The Bureau holds meetings of working groups (focus groups) with the participation of potential users and respondents, representatives of interested government agencies, as well as the Atameken National Chamber of Entrepreneurs, at which the indicators of national statistical forms are analyzed for their relevance and the elimination of duplication with the indicators of departmental statistical forms and administrative data forms.

• Feedback is provided through the Bureau’s Unified Contact Center by calling the short number 1446 (free in Kazakhstan), Telegram-bot @statgovkz, online consultant on the Bureau’s Internet resource http://stat.gov.kz.

S.3 Updating Metadata

* + 1. Latest confirmation of updated metadata

30.05.2025

* + 1. Last metadata placement

30.05.2025

* + 1. Last metadata update

30.05.2025

S.4 Presentation of statistical information

* + 1. Description of data

Prices for agricultural products and processed products in the Republic of Kazakhstan in the markets are formed monthly (12 times a year) by type of product in the context of cities and regional centers.

The average price for a separate item in a district or city is determined as the geometric mean of the average prices of representative goods in the markets:

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Where:

Pjn – average price for product type j in period n;

p1, p2, pk – prices of representative goods of product type j in period n; k – number of representative goods.

S.4.2 Classification system

The following main statistical classifiers are used:

1) Classifier of administrative-territorial objects (KATO);

2) Directory of products (services) of agriculture, forestry and fisheries;

3) Directory of commodity items for the Classifier of Individual Consumption by Purpose.

• These classifiers are posted on the Bureau’s Internet resource http://stat.gov.kz in the section «Main» / “Statistical classifiers»

S.4.3 Sectoral Coverage

The scope of monitoring the price level of agricultural products and their processed products includes a sample of operating markets in cities and district centers, as well as private households. Monitoring is carried out according to the types of products and goods selected at the republican level.

S.4.4 Statistical concepts and definitions

Monitoring of the price level for agricultural products and processed products is carried out according to the Methodology for constructing producer price indices for agricultural, forestry and fishery products, which is available on the Internet resource Bureau www.stat.gov.kz in the section Economy/Price statistics / Methodology, as well as in the Information and legal system of regulatory legal acts of the Republic of Kazakhstan Adilet <http://adilet.zan.kz>.

The following definitions are used in the Methodology:

- base object – an object selected for observation and registration of prices in it;

- specification – a description or list of characteristics that are used to identify a particular product (service) selected for price registration;

- average price – a generalized value of prices of representative goods. Average prices are calculated for a certain period of time, by territory, by types of products;

- representative product (service) - a certain type of product in a product group that differs in minor features (details) that do not affect the quality and basic consumer properties of the product (service) and is homogeneous in its consumer purpose.

S.4.5 Statistical object

1) the list of basic facilities includes markets located directly in district centers and cities of regional significance. In their absence, markets operating in other populated areas of the region are connected;

2) if there are two or more permanent markets operating in the region, the market with the largest sales volumes, as well as the specialized livestock market, are included in the monitoring;

3) in the absence of permanently operating markets in the region, periodically emerging “spontaneous” markets are connected during periods of operation.

S.4.6 General population (principle of selection of survey units)

Monitoring of prices for agricultural products and products of their processing is carried out by a sample method. The general population for the selection of basic objects is represented by markets in the cities and districts of the Republic of Kazakhstan. In their absence, markets operating in other settlements of the region are connected. The list of types of products for price monitoring includes their main types prevailing in the markets.

In 2024, the sample set of basic objects amounted to 341 units.

S.4.7 Territorial Coverage

The Republic of Kazakhstan (cities and regional centers, cities of republican significance, the capital).

S.4.8 Time Coverage

Prices for agricultural products and processed products have been collected at markets since 2004.

S.4.9 Base period

For average prices it is not determined.

S.5 Unit of measurement

Tenge Kazakh

S.6 Reporting period

Month

S.7 Legal basis

S.7.1 Legal basis

1. Law of the Republic of Kazakhstan of March 19, 2010 «On State Statistics».

2. Rules for the presentation of databases in de-identified form for use in scientific and scientific-technical activities, approved by the order of the Chairman of the Agency of the Republic of Kazakhstan on Statistics dated July 2, 2010 No. 168 (registered with the Ministry of Justice of the Republic of Kazakhstan on August 13, 2010 No. 6388).

3. «Methodology for constructing producer price indices for agricultural, forestry and fishery products», approved by the order of the Chairman of the Statistics Committee of the Ministry of National Economy of the Ministry of National Economy dated December 9, 2016 No. 308 (registered with the Ministry of Justice of the Republic of Kazakhstan on January 11, 2017 No. 14663).

4. The plan of statistical work approved by the Order of the Head Bureau.

5. Schedule for the dissemination of official statistical information, approved by the Order of the Head Bureau.

S.8 Confidentiality and data protection

S.8.1 Privacy Policy

1. Article 8 of the Law of the Republic of Kazakhstan dated March 19, 2010 «On State Statistics», in accordance with which a guarantee of confidentiality and protection of data provided by respondents is ensured.
2. Article 28 of the Entrepreneurial Code of the Republic of Kazakhstan dated October 29, 2015 ensures the protection of information constituting a commercial secret.
3. The Information Security Policy (Policy), approved by the Order of the Head of the Bureau dated February 10, 2021 No. 20, defines the goals, objectives, guidelines and practical methods in the field of ensuring the information security of the Bureau. The main goal of the Policy is to ensure the availability of official statistical information, the confidentiality of information stored and processed on the Bureau's computing equipment, subject to its integrity and authenticity.

S.8.2 Confidentiality - handling of data

1. Article 8 of the Law of the Republic of Kazakhstan dated March 19, 2010 «On State Statistics» on ensuring the guarantee of confidentiality and protection of data provided by respondents.

2. The information security policy approved by the Order of the Head of the Bureau dated February 10, 2021 No. 20 defines the goals, objectives, guidelines and practical techniques in the field of ensuring information security of the Bureau.

3. Rules for the presentation of databases in de-identified form for use in scientific and scientific-technical activities, approved by the order of the Chairman of the Agency of the Republic of Kazakhstan on Statistics dated July 2, 2010 No. 168 (registered with the Ministry of Justice of the Republic of Kazakhstan on August 13, 2010 No. 6388).

S.9 Publication Policy

S.9.1 Publication calendar

paragraph 1, paragraph 2 of Article 26 of the Law of the Republic of Kazakhstan “On State Statistics” dated March 19, 2010.

Plan of statistical work and Schedule of dissemination of official statistical information for 2025 are available on the Unified Portal of Government Agencies [www.gov.kz in the](http://www.gov.kz) section «Government Agencies» / «Others» / «Agency for Strategic Planning and Reforms of the Republic of Kazakhstan» / «[Bureau](http://www.gov.kz)» / «Documents».

S.9.2 Access to the Schedule

The schedule for dissemination of official statistical information for 2025 is available on the Unified Portal of Government Agencies [www.gov.kz in the](http://www.gov.kz) section «Government Agencies» / «Others» / «Agency for Strategic Planning and Reforms of the Republic of Kazakhstan» / «Bureau» / «Documents».

S.9.3 User Access

Internet resource of the Bureau www.stat.gov.kz in the section «Home» / «Statistics» / «Economy» / «Price statistics».

S.10 Frequency of distribution

Month

S.11 Distribution format, accessibility and clarity

* + 1. News publications

Not published.

* + 1. Publications
1. Internet resource of the Bureau www.stat.gov.kz in the section «Home» / «Statistics» / «Economy» / «Price statistics» / «Spreadsheets» / «Price indices and prices in agriculture in the Republic of Kazakhstan»;

2) Internet resource of the Bureau www.stat.gov.kz in the section «Home» / «Statistics» / «Economy» / «Price statistics» / «Spreadsheets» / «Average annual prices for agricultural products in the Republic of Kazakhstan»;

3) Internet resource of the Bureau www.stat.gov.kz in the section «Main» / «Statistics» / «Economy» / «Price statistics» / «Dynamic series».

Online databases mode

Information and analytical system Taldau http://taldau.stat.gov.[kz](http://taldau.stat.gov.kz) in the section «Price statistics».

S.11.3.1 AC1. Data tables-consultation

Not implemented

S.11.4 Access to microdata

Rules for the presentation of databases in de-identified form for use in scientific and scientific-technical activities, approved by the Order of the Chairman of the Agency of the Republic of Kazakhstan on Statistics dated July 2, 2010 No. 168. (registered in the Ministry of Justice of the Republic of Kazakhstan RK on August 13, 2010 No. 6388).

S.11.5 Other

No

S.11.5.1 AC2. Consultation Metadata

Not implemented

S.12 Availability of documentation

S.12.1 Methodology documentation

Available on the Bureau's Internet resource www.stat.gov.kz in the section «Methodology» / «Methodology for constructing producer price indices for agricultural, forestry and fishery products».

S.12.2 Quality documentation

1. Quality Policy approved by the Order of the Head Bureau of November 16, 2020.
2. Standard methodology for describing the process of producing statistical information by government agencies, approved by the Order of the Chairman of the Statistics Committee of the Ministry of National Economy of the Republic of Kazakhstan dated March 30, 2015 No. 53.
3. Methodology for assessing the quality of official statistical information, approved by the Order of the Chairman of the Statistics Committee of the Ministry of National Economy of the Republic of Kazakhstan dated May 23, 2018 No. 63.

S.13 Quality Management

S.13.1 Quality Assurance

The quality and reliability of price statistics data is maintained by generally accepted procedures:

* compliance with the basic principles of primary accounting;
* use of standard statistical classifications of goods, products, services;
* at the stages of collecting and processing primary data, all control schemes (format-logical, arithmetic) were developed and implemented;
* a comparative analysis of statistical data is carried out (in dynamics, with administrative data, inter-industry);
* rotation of sample sets of lists of goods, products, services and basic objects selected for price observation.

S.13.2 Quality assessment

The methodology for constructing the producer price index for agricultural, forestry and fishery products was developed taking into account the principles and recommendations of the «Producer Price Index Manual: Theory and Practice» prepared by the International Labour Organization, the International Monetary Fund, the Organization for Economic Cooperation and Development, the Statistical Office of the European Communities, the United Nations Economic Commission for Europe and the World Bank.

S.14 Relevance

* + 1. Needs

users: Administration of the President of the Republic of Kazakhstan, Chancellery Prime Minister of the Republic of Kazakhstan, Majilis of the Parliament of the Republic of Kazakhstan, Senate of the Parliament of the Republic of Kazakhstan, state bodies, CIS Statistical Committee, International labor organization, individuals and legal entities.

S.14.2 User Satisfaction

The user questionnaire is posted on the Bureau’s Internet resource http://stat.gov.kz in the section «Main» / «Surveys» / «User questionnaire».

In addition, in order to maintain constant feedback with users and respondents, the Bureau 1446 Unified Contact Center operates.

S.14.3 Completeness/R1. Data completeness-proportion

Not applicable.

S.15 Accuracy and reliability (to be filled in taking into account the type of observation)

* + 1. Overall accuracy

The analysis of the accuracy and reliability of data on average prices for agricultural products in the markets over the past five years was carried out using the variation coefficient. The variation coefficient is a measure of the relative dispersion of a random variable. It shows what proportion the average dispersion of a random variable is from the average value of this variable. The greater the value of the standard deviation, the relatively greater the dispersion and the less evenness of the values under study.

The coefficient of variation is calculated using the formula: ,

where SD is the standard deviation;

X is the average value.

The standard deviation is calculated using the formula: .

**Coefficient of variation of average beef prices**

**in the Republic of Kazakhstan**

in percent



An analysis of average beef prices in 2020-2024 showed that the data were fairly uniform. The greatest price range was observed in 2022, which was influenced by rising prices for cattle from agricultural producers.

* + 1. Sampling errors-indicators/A1.

Cannot be estimated due to purposive sampling.

* + 1. Non-sampling error

Non-sampling errors are not calculated.

S.15.3.1 Coverage Error

Cannot be estimated due to purposive sampling.

S.15.3.1.1 A2. Excess Coverage-Share

Unable to estimate due to purposive sampling

S.15.3.1.2 A3. General units-ratio

Unable to estimate due to purposive sampling

S.15.3.3 Non-Response Errors

* + - * 1. A4. Unit of absence-share

The proportion of missing responses is not calculated.

* + - * 1. A5. Non-response item-share

No calculation is carried out.

S.16 Timeliness and Punctuality

S.16.1 Timeliness

* + - 1. TP1. Waiting period - first results

The first results in the spreadsheet are published in accordance with the Statistical Work Plan and the Schedule for the Dissemination of Official Statistical Information, approved on an annual basis and are final.

* + - 1. TP2.Waiting period - latest results

The first results are final.

S.16.2 Punctuality

S.16.2.1 Punctuality/TP3

The data are published in accordance with the Statistical Work Plan and the Schedule for the Dissemination of Official Statistical Information, approved by order of the Head of the Bureau.

Actual and planned dates coincide, there were no failures to meet publication deadlines for 2024. The release of publications is postponed to the next working day if the publication falls on a weekend or holiday.

S.17 Comparability

S.17.1 Geographical comparability

Within the territory of the Republic of Kazakhstan.

S.17.1.1 Asymmetry in mirror statistics of flows-coefficient/CC1

No

S.17.2 Length of Comparable Time Series/CC2

The dynamic range of prices for agricultural products and processed products on the markets is comparable and continuous since 2004.

S.18 Consistency

* + 1. External consistency, cross-consistency

The methodology was developed taking into account the principles and recommendations of the «Manual on the Producer Price Index: Theory and Practice» published by the International Labor Organization, the International Monetary Fund, the Organization for Economic Cooperation and Development, the Statistical Office of the European Communities, the United Nations and the World Bank (2004), adapted to take into account the specific features of the economy of the Republic of Kazakhstan.

* + 1. Internal consistency

Average prices for carrots and onions have a consistent dynamic.

**Prices for carrots and onions in Aktobe region in 2024**

in tenge



Consistency in the dynamics of average prices in markets and among agricultural producers is also noted.

**Prices for potatoes in Pavlodar region in 2024**

in tenge



S.19 Load

Until May 2021, prices were collected on paper; since June 2021, data entry has been carried out using portable computing devices. Information processing processes are automated using local software packages; input and output information controls are provided.

There is no duplication with other examinations.

Administrative data or other sources are not used.

S.20 Revision of data

S.20.2 Data revision/A6

Not applicable.

S.21 Processing of statistical data

S.21.1 Initial data

Collection of information on prices of agricultural products and their processed products in markets is carried out within the framework of statistical monitoring «Electronic data entry form for registering prices of agricultural products and their processed products», index C-200e, (monthly frequency). Monitoring of the price level of agricultural products and their processed products is carried out according to the types of products and goods selected at the republican level. Prices of agricultural products and their processed products in the markets of cities and district centers are registered.

S.21.2 Frequency of examination

Month

S.21.3 Method (technique) for collecting primary statistical data

Until May 2021, data collection on prices for agricultural products and their processed products in markets was carried out on paper, since June 2021, data entry has been carried out using portable computing devices.

S.21.4 Reliability of primary statistical data

When entering and processing data, format-logical controls of minimum and maximum prices are incorporated; prices are compared with the price level of the previous month.

In accordance with Article 17 of the Law of the Republic of Kazakhstan «“On State Statistics», the respondent is obliged to submit reliable primary statistical data when conducting statistical observations in accordance with the schedule for the submission of primary statistical data by respondents and with the statistical methodology.

S.21.5 Imputation - share /A7

Imputation is not applied. If previously observed types of products are not available on the markets, the calculation of missing prices is not performed.

S.21.6 Adjustment

Not applicable.

S.21.6.1 Seasonal Adjustment

Not implemented.

S.22 Notes

Continue work to ensure the quality of statistical data.