

Statistical product– Marketability level and sale of agricultural products by directions (yearly)

Processes	Sub-processes	Sub-process description
1 Specify needs		
	1.1 Identify needs	Regular updates (additional processing, changes) of the list of indicators covered in the questionnaire (through which the information is collected from 7480/ from 1 January 2016, from 12090 individual (rural) households included in the field of agricultural statistics sample survey) are carried out based on statistical information users' requirements changes.
	1.2 Consult & confirm needs	Working discussions were held with the statistical information providers (rural/urban communities and representatives of commercial organizations engaged in agriculture), as well as with the experts from the RA Ministry of Economy that is the main information user.
	1.3 Establish output objectives	The statistical information users' opinion related to the inclusion of new proposed indicator , as well as to the available indicator to reveal their attitude the requirements and expectations is periodically studied by phone calls and through the "User satisfaction survey questionnaire" which is available on Armstat website (see: https://www.armstat.am/am/?nid=131).
	1.4 Identify concepts	
	1.5 Check data availability	Data on marketability level and sale of the agricultural products is collected with the sampling method (from 7480/ from 1 January 2016, from 12090 individual (rural) households included in the field of agricultural statistics sample survey. The accuracy of the presented data is checked comparing the collected information for each agricultural product with the corresponding indicators of previous years.
	1.6 Prepare business	Before the approval of the questionnaire by the individual

	case	Resolution of State Council on Statistics, the working discussions on included indicators and the methodological instruction to fill in it are held with the staff of marz departments and with the statisticians implementing the data collection, the opinion of international experts is taken into account where possible.
2.Design		
	2.1 Design outputs	The data are collected based on the Law on "Official Statistics" and "Five Year Statistical Program", as well as the Resolution No. 05-N of RA State Council on Statistics "On Approval of the Procedure for the collection of statistical data" dated 20 June 2016 and Resolution "On Approval of Annual Statistical Program", as well as Resolution No. 34-A of RA State Council on Statistics on approval of yearly questionnaire N3 on "Agricultural Product Sales" dated 18 December 2017 and the instruction of filling in it.
	2.2 Design variable descriptions	The questionnaire for the collection of statistical indicators is has an annual periodicity and includes 84 statistical indicators.
	2.3. Design collection	Statistical data is collected through the questionnaire approved by the individual order of RA State Council on Statistics. Data collection is carried out through the sampling method (from 7480/ from 1 January 2016, from 12090 individual (rural) households included in the field of agricultural statistics sample survey).
	2.4 Design frame and sample	The design of the general population is implemented to provide complete information regarding the Marketability level and sale of agricultural products. The information is provided by 7480/ from 1 January 2016, from 12090 individual (rural) households included in the field of agricultural statistics sample survey. The received information is summarized according to the main types of agricultural products, by marzes.
	2.5 Design processing and analysis	After the collection of information the statistical indicators are subject to arithmetical and logical checks, and in case of

		necessity the appropriate adjustments are carried out also by contacting the relevant organizations (information adjustments) that provide the information. The accuracy checks are implemented by comparing the available information on each agricultural product with the relevant indicators of previous years.
	2.6 Design production systems and workflow	The preparatory work is carried out for all processes from the collection of information and until its publication, particularly, related to the appropriate notification of respondents, the training of the staff through professional courses and etc.
3.Build		
	3.1 Build collection instrument	Questionnaires needed for the collection of information and the instruction for filling in it are available in paper and electronic form https://www.armstat.am/am/?nid=547).
	3.2 Build or enhance process components	The methodological guidelines and instructions necessary for information calculation and verification of needed information are available. Input software (Microsoft Office Access) has necessary tools for arithmetic and logical checks of input data. The final data is presented in annual publications.
	3.3 Build or enhance dissemination components	The dissemination of information is possible in paper, as well as in electronic form of publication of information on annual basis.
	3.4 Configure workflows	The derivation of statistical product is carried out by the following successive stages: <ol style="list-style-type: none"> 1. collection of data, 2. arithmetic and logical checks and adjustments, 3. data input through the pre designed input software , 4. comparison of obtained summary data with the corresponding time series, 5. dissemination of data in paper and electronic versions.
	3.5 Test production system	Due to indicators changes in the questionnaire the input software is regularly undergoing to relevant changes. The testing of software is also carried out in case of need.
	3.6 Test statistical business production	In parallel with the inclusion of the indicator in the questionnaire, the field examination of the latter is implemented

		to test the understanding of it by respondents.
	3.7 Finalize production system	The composition of methodological clarifications on the completion of indicators available in questionnaire, as well as the provision to the statistical data providers (respondents) is carried out, at the same time, maintaining verbal and e-mail contacts with the experts.
4.Collection		
	4.1 Create frame and select sample	Data collection is carried out by the sampling method. The main information source is the the 7480 /from 2016 January 1 12090/ individual (rural) households under sample survey. As a result of the received information, a general population is formed, which includes the information on Marketability level and sale of agricultural products as much as possible.
	4.2. Set up collection	In order to organize the collection of statistical data, the formation of order on printing of relevant questionnaire and of the instruction of filling in it, their printing and distribution to the relevant organizations is implemented according to the number of units subject to observation. The required network resources for the questionnaires collection are in place.
	4.3 Run collection	The primary data collection is implemented by statisticians direct visits to households, then by marz departments of Armstat (summary data of marz are presented) by hand, mail and electronic - system means according to the Resolution of RA State Council on Statistics No 05-N on the “Approval of the Procedure of the collection of Statistical Data” dated 20 June 2016.
	4.4 Finalize collection	The collected information, after being arithmetically and logically cross checked, is input in the electronic environment. The information input is carried out automated, as well as by direct input of information in electronic environment.
5.Process		
	5.1 Integrate data	The unification of relevant data received from the Armstat

		Yerevan and marz (regional) departments in one common database is implemented, in a result of which the duplications would be excluded.
	5.2 Classify and code	The coding work is carried out for the marz and territorial units in accordance with a predetermined order.
	5.3.Review and validate	The checking of provided incomplete or corrupted information is carried out; the indicators are subject to arithmetical and logical checks, based on them and in case of need, through the contact with information providers (regional department's staff, regional office staff and statisticians) the appropriate adjustments are carried out. The accuracy of the data presented is verified comparing the relevant indicators on agricultural production with previous years.
	5.4 Edit and impute	The completion of the missing data is implemented using the data of other farms (the involvement of farms out from the sampling is possible), in case of the lack of the alternative information on them.
	5.5 Derive new variables and units	Additional calculations and estimations for the calculation of other indicators are not available.
	5.6 Calculate weights	As the information provided ensures the statistical integrity of the sphere thus there is no need for additional weights calculation.
	5.7 Calculate aggregates	The summary data by separate statistical indicators are derived based on the input data through the pre-designed software.
	5.8 Finalize data files	Often, the calculation of primary indicators that are subject to further adjustment is done due to the necessity to obtain operative statistical data. Primary data are reviewed on the adjustments and checking basis. The final data is presented in annual publications.
6.Analysis		
	6.1. Prepare draft outputs	The creation of indicator groups, as well as time series of statistical indicators is implemented based on obtained statistical summary data. In particular, the marketability level and sale of the agricultural products are calculated. The

		calculation of the indicators is used to create the time series of indicators, as well as for the calculation of the average weight of the productivity of agricultural product.
	6.2 Validate outputs	The methodological requirements to the received indicators are strictly followed during the whole process of indicators receiving according to the pre-defined classifications, methodological guidelines and the instruction on completing questionnaires.
	6.3 Interpret and explain of outputs	The logical analysis of the received summary indicators is carried out taking into account the processes taking place in the given sphere (policy conducted) and natural climatic conditions of reference year.
	6.4 Apply disclosure control	The confidentiality of statistical indicators (not containing individual (personal) data) that is subject to publication, as well as requested by the users of statistical information is strictly followed according to the Law on Official Statistics and the Resolution of the SCS No 53 " Approval of the Order on Protection of Statistical Confidentiality" dated 25 June 2001, and only summarized data are provided (see: https://www.armstat.am/file/doc/99454478.pdf).
	6.5 Finalize outputs	Before the dissemination of summary information, the summary indicators characterizing the directions of marketability level and sale of agricultural products' sphere are analyzed by time series.
7. Dissemination		
	7.1 Update output system	The work on the derivation and final checking of relevant tables of statistical indicators that are subject to publication is carried out, as well as the time series update is implemented. In case of the need the changes and/ or additions are made in the concepts and methodological explanations of the relevant indicator.
	7.2 Produce dissemination products	All the production steps are implemented for the disseminating products: preparation of explanatory text, tables, charts and other materials, editing of these products and making them compliant with publishing standards.

		<p>The information on the statistical indicators is published in Armenian, Russian and English through the yearbooks, statistical handbooks and monthly informational reports.</p> <ul style="list-style-type: none"> • Realization (sale) of Agricultural Production by individual (rural) households • Statistical Yearbook of Armenia https://www.armstat.am/am/?nid=586 • RA marzes and Yerevan city by figures https://www.armstat.am/am/?nid=80&id=2203 • Armenia in figures (annual) https://www.armstat.am/am/?nid=80&id=2219 • “Socio-Economic Situation of the Republic of Armenia” (monthly) https://www.armstat.am/am/?nid=82
	7.3 Manage release of dissemination products	The dissemination of statistical information is carried out according to the schedule envisaged by the Five-Year and Annual Statistical Programs. In case of the changes and adjustments made in the indicators provided by the providers of statistical information the indicators already published by the Armstat are also being changed and adjusted correspondingly.
	7.4 Promote dissemination products	Various information presented on the Armstat official website (indicators, metadata, notifications, news about the sphere, micro-data, etc.) is not only a statistical tool, but also dissemination tool of information on the Armstat activity, which promotes the effectiveness of the sector's activities.
	7.5 Manage user support	In case of the official request of the users of statistical information related to the information not being published, the calculation of additional indicators is carried out at possible extend (in case of need) and submitted to them following the principle of confidentiality of primary statistical information.
8.Evaluation		
	8.1 Gather evaluation input	-
	8.2 Conduct evaluation	-
	8.3 Agree an action plan	-

