

Agricultural Statistics

Republic of Korea

1. Current and planned collection of agricultural statistics

Institution	Title	Periodicity	Source
KNSO (Korea National Statistical Office)	Agricultural Census	Every 5 years	Census
	Cultivated Land Census	Every 10 years	Census
	Basic Agricultural Statistics	Yearly	Survey
	Farm Household Economy Survey	Yearly	Survey
	Agricultural Production Cost Survey	Yearly	Survey
	Food Grain Consumption Survey	Yearly	Survey
	Agriculture Establishment Survey	Yearly	Survey
	Agricultural Land Survey	Yearly	Survey
	Livestock Survey	Quarterly	Survey
	Crop Production Survey	Yearly	Survey
	Livestock Production Cost Survey	Yearly	Survey
	Fruit Status Survey	Every 5 years	Survey
	The Survey on the Actual Condition of Welfare, Education & Regional Development	Every 5 years	Survey
	Agricultural Land Lease Survey	Yearly	Survey
The Survey on the Quality-of-Life Index of Rural Residents	Yearly	Survey	

Agricultural Census

- The Census measures the size and distribution of farming households and population as well as the structure and characteristics of agricultural management.
- And it provides the population for the improvement of various agricultural statistics and provide data for agricultural research, produces minor regional data required for the era of localization, contributes to the reinforcement of national competitiveness in the agricultural sector through international exchange and analyses of data.

Farm Household Economy Survey

- The survey provides basic data for the establishment of agricultural policies and improvement of agricultural management by grasping trends in farm household economy and status of farm management in accordance with changes in economic society.

Crop Production Survey

- The survey on Crop production is used to provide data on supply and demand of agricultural products, comparison of profits from different crops, research on dietary patterns, and international statistics and academic research

Livestock Survey

- The survey is utilized as materials for policy making of government and relevant organizations related to the supply and demand of livestock, the basic data for academic research, and comparative data for livestock farms to enhance productivity.

2. Legal framework under which agricultural statistical activities operate(1)

- Statistical Survey of agricultural field is conducted on the basis of the national statistical Law and the regulation of agricultural statistical survey.
- In case of Korea, KNSO is proceeding its duties on the legal basis of the National Statistical Law.
- Under the Law, KNSO is in charge of coordination of statistical activities, establishment of statistical standards and classifications, compilation and analysis of the fundamental official statistics and management and dissemination of statistical data

2. Legal framework under which agricultural statistical activities operate

(2)

- We have also 12 Local Statistical Offices in each Province of Korea as well as 65 County Statistical Branch-Offices, all of which is in charge of survey and producing local statistical data on the basis of the National Statistical Law.
- Central Government and Local Government may also apply for producing needed statistics to the KNSO, and each agency appoints responsible statistical officer for that purpose.

2. Legal framework under which agricultural statistical activities operate

(3)

- For each agency to proceed initiating producing specific statistics and change or suspend the production of the statistics, it has to get the approval of the Commissioner of the KNSO under the National Statistical Law.
- Each Statistical Agency may also request for submitting administrative data needed for producing statistics to the related agencies or organizations, who has to respond to it according to the National Statistical Law.

3. Availability of statistics on farmers' income(1)

- Farm Household Economy Survey which has been conducted by KNSO covers farm household income, regular income, farm house net income, agriculture income, gross farm receipts, farm expenses, non-farm income, non-farm business income, non-business income, transfer income, irregular income, disposable farm house income, overall expenditure for maintenance of farm households, surplus(or deficit)

3. Availability of statistics on farmers' income(2)

- The objective of this survey is to acquire basic data on the farm household economy and agricultural management in order to provide basic information for agricultural policy-making and the improvement of agricultural management.
- The survey also aims to produce various farm household economy indicators such as farm household expenditures and working hours, etc., so as to produce basic information for the research of agriculture.

4. Emerging issues

- Remote Sensing Technology (1)

- Recently, remote sensing technology, utilizing satellite imaging data in all kinds of agricultural statistics, is actively investigate and applied in the developed nations like the Unites States, EU, and Japan. It is now consummated as a core technology for complement production of agricultural statistics and preexisting statistical methods. However, researches about the related fields are very unsatisfactory in Korea.

4. Emerging issues

- Remote Sensing Technology(2)

- The research project, as a first stage of related study, was operated in 2005.
- By working on this project, remote sensing technology application in Korea, remote sensing technology application in agricultural field worldwide were thoroughly investigated.
- Based on the results, we found ways to utilize remote sensing in Korean agricultural statistics.

4. Emerging issues

- Remote Sensing Technology(3)

- The next project, which is on going, focus on conducting pilot research to introduce remote sensing into Korean agricultural statistics.
- Several results will be produced from the integration of KOMPSAT-2 data into the agricultural area and rice paddy area estimation.

4. Emerging issues

- Remote Sensing Technology(4)

- According to the long-term program of Space development of Korea, KOMPSAT-2 (KOrean MultiPurpose SATellite) has been successfully launched on the 28 July 2006.
- KOMPSAT-2 acquires imagery in black and white (Pan) at a resolution of 1m and in color (MS) across 4 bands in the visible (red, green, blue) and near-infrared at a resolution of 4m.

4. Emerging issues

- Remote Sensing Technology(5)

- The results of project will show the comparison of conventional survey and satellite based estimates, proper methodology for using high resolution image, the possibility of substitution between image interpretation and field measure and so on.

5. Structure of the statistical system, institutions and responsibilities(1)

- The Korean statistical system may be considered to be decentralized with some centralized part.
- Each Ministry or non-government agency has the responsibility to compile various statistics related to its own field.
- Such ministries and agencies include the Ministry of Food, Agriculture, Forestry and Fisheries, the Ministry of Labor, the Ministry for Health, Welfare and Family Affairs, etc.
- Each unit is in charge of the compilation of statistics and the production of statistics for its own purposes.

5. Structure of the statistical system, institutions and responsibilities(2)

- In case of agricultural statistics, recently, the duty of producing all of agricultural statistical survey, such as Livestock survey, crop production survey, etc, which had been conducted **by the Ministry of Agriculture was transferred to the KNSO since 5 March 2008.**
- Such reform was in consideration of organizational effectiveness of the work and to evade the any duplication of survey and also to provide better service to the related agency and clients.

KNSO Missions

- Coordination of Statistical Activities
- Establishment of Statistical Standards and Classifications
- Compilation and Analysis of the Fundamental Official Statistics
- Management and Dissemination of Statistical Data
- Statistical Training
- International Statistical Cooperation

6. Availability of agricultural statistics databases.

- All users can access to the internet site of KOSIS and get statistical information and collect needed data freely through the databases.

KOSIS

(Korean Statistical Information System)

- KOSIS provides 30 years of time-series statistical data from KNSO, other domestic agencies, and foreign and international agencies, making it one of the world largest statistical database.
- KOSIS allows users to search rapidly and easily for information by subject, agency, statistical name, and consolidated function, as well as major indices, statistical columns, and statistical class services.

MDSS

(MicroData Service System)

- All users may Access to microdata through the Internet.
- The MDSS, web-based remote access system, allows users to access to anonymized microdata through the Internet in order to download data after selecting and processing information items.
- MDSS is a user-friendly system which enables users to use micro data quickly and conveniently

7. Current disseminations strategies of agricultural statistics

- The survey results of most agricultural statistics are published and distributed to the related agencies and clients.
- As soon as statistics is produced, the results is available at the KNSO website.
- We are also working on establishing internet services for providing e-books for agricultural survey results.

SMS

(Short Message Services)

- Major statistical data, upon being announced, are delivered to users via short message services, allowing them to know the facts at any place and any time.
- Users can receive key statistical information - as soon as data are announced - via short message services, thereby knowing it in real time.
- Upon receiving the information, users can access the website to find out the details.

Statistical information is available at private portal sites

- Since February 2006, the KNSO has provided statistical information through Naver's knowledge reference under an arrangement with the search portal site of NHN Co.
- This enables users to gain easy access to an abundance of statistical information. The KNSO will further expand the private portal site linkage service.
- Users can access statistical information directly from popular private portal sites such as Naver without going to the KNSO's relevant sites
- Users can search and access by subject the professional data created by government agencies, universities, and research institutes, together with relevant statistical data at Naver's Knowledge Reference.

Thank you !!!