

Livestock Hygiene Service Center (LHSC) plays a key role as the forefront of the administration of livestock to produce safe and high quality livestock products stably through prevention of animal disease and guidance of farm hygiene management.

Organization/History

<organization>

Director General (Veterinarian)

Policy Planning Division (2 Secretaries, 1 Veterinarian)

Administrative services in LHSC such as project planning, a code of practice, budget, and accounting.

Infection Control Division (6 Veterinarians)

Strengthen disease control measures for the preventing outbreak and spread of the animal diseases through test, vaccination, and training.

Technical Guidance Division (4 Veterinarians)

Promote and advice on animal health technologies and conduct guidance for farming and environmental affairs in farm.

Diagnosis Division (5 Veterinarians)

Detect the cause of animal diseases and zoonosis by laboratory tests such as virus test, bacteriological test, pathological test, and biochemical test

<history>

- * 1950 Livestock Hygiene Service Center Act is enforced and the facilities were established in 3 cities.
- * 1969 After restructure, 3 LHSC were established in the north, south, and central part of the Prefecture.
- * 1996 Restructured into 2 centers and 1 branch.
- * 2010 Restructured and integrated into the present center.



Restructuring & Integration

For the new system

Recently, zoonosis such as BSE and HPA has become a social concern, so the demand for LHSC has become more crucial. Therefore, the biosecurity measures in each establishment are required to maintain high standard.

Management of the establishments

Osaka Prefecture restructured and integrated LHSC in Apr 2010, reinstalling the Center next to Rinku Campus, Veterinary Medical Center, Osaka Prefecture University

Strengthen performance

Strengthen cooperation for control of zoonosis and exotic diseases such as FMD with Osaka Prefecture University in both sides of soft and hard such as sharing bio-safety facilities and building up a new system for test and diagnosis.

Cooperation with a university

Regarding the prevention of animal infectious diseases and promotion of sanitary measures which have been conducted so far, it has been enriched and strengthened through gathering and adopting the latest knowledge and technics.

Enrichment

Promoting measures against zoonosis & strengthening cooperation with a university

©Various tests is conducted to control zoonosis



Zoonosis is a general term of infections transmitted from animals to humans. We perform tests and monitor BSE, AI and tuberculosis as a control measure of zoonosis. Moreover, we perform tests on wildlife such as raccoon.



©Intensive cooperation with a veterinary university



LHSC and Osaka Prefecture University have an agreement about cooperation and communication on research and education in general. We are building new system for test and diagnosis through sharing bio-safety facilities and holding technical seminars for specialists.

Moreover, we are giving support for veterinary education about large animals. We give a lecture on the present situation and the prospects of veterinary medical service for large animals and implement practice such as wearing and undressing protection as a training of HPAL control.

©Report outcomes



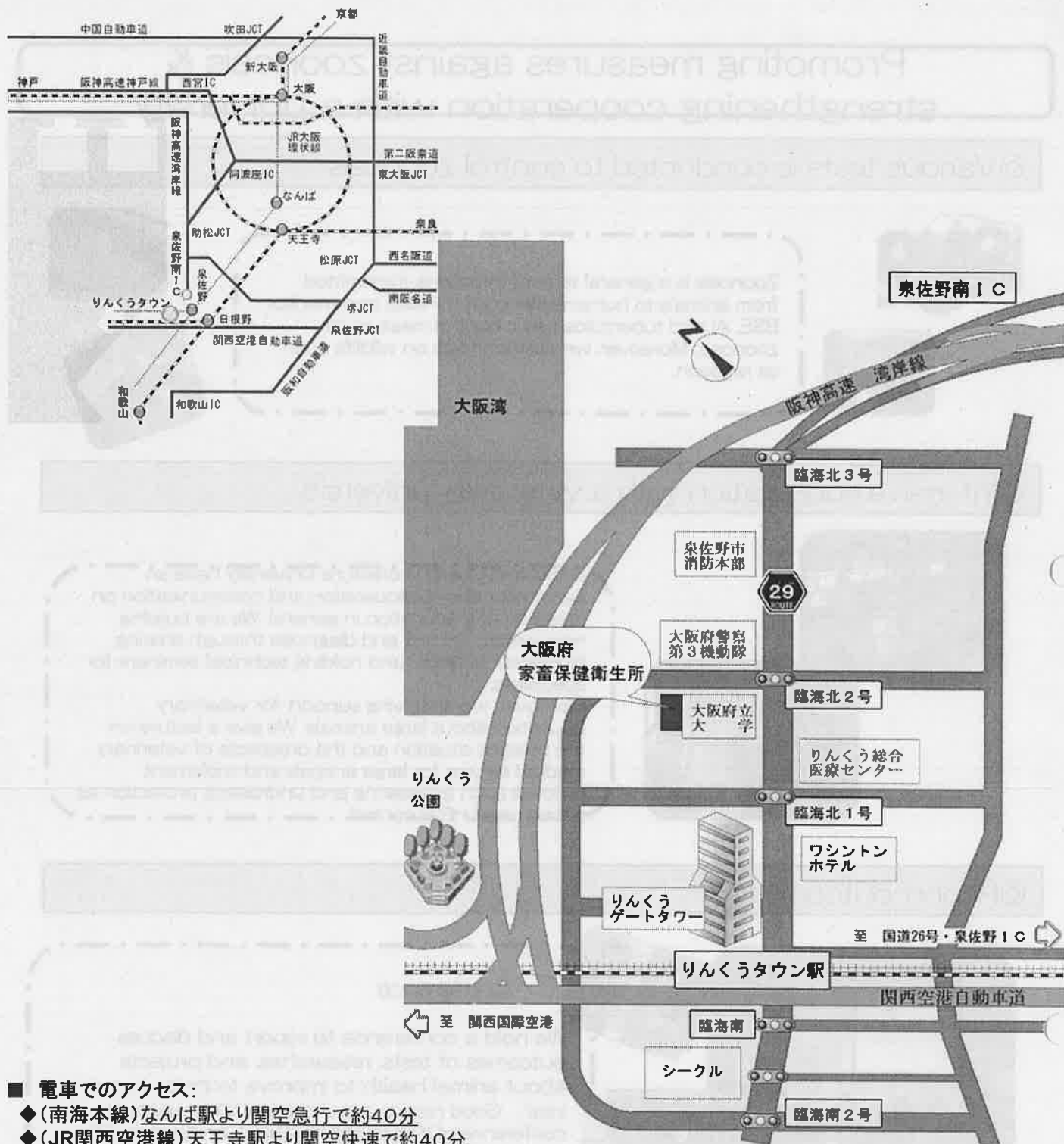
Conference

We hold a conference to report and discuss outcomes of tests, researches, and projects about animal health to improve technics in every year. Good reports are chosen to be presented in the conference of Kansai regional block and nationwide level and we contribute articles on a paper.

©Try to improve our knowledge and technics through seminars.

Technologies for diagnosis and animal health are developing everyday. LHSC is required to have high expertise as the forefront of the prevention and control, we attend seminars sponsored by the Government. Moreover, we build a system focusing on to practice internal trainings for improvement of technics in the field and laboratory.





■ 電車でのアクセス:

- ◆ (南海本線) なんば駅より関空急行で約40分
- ◆ (JR関西空港線) 天王寺駅より関空快速で約40分
両線とも「りんくうタウン駅」下車。北東へ約500m、徒歩約8分

■ 車でのアクセス:

- ◆ (阪神高速4号湾岸線 経由) 泉佐野南ICより約1km
泉佐野南IC→臨海線(府道29号線)直進→「臨海北2号」交差点右折
- ◆ (阪和自動車道 経由) 上之郷ICより約7km
上之郷IC→国道481号直進→「臨海南」交差点右折→「臨海北2号」交差点左折
- ◆ (阪和自動車道→関西空港自動車道 経由) 泉佐野ICより約3km
泉佐野IC→国道481号直進→「臨海南」交差点右折→「臨海北2号」交差点左折
- ◆ (国道26号線 経由) 「関西空港口」交差点より約2km
「関西空港口」交差点(関空方面へ)→国道481号直進→「臨海南」交差点右折→「臨海北2号」交差点左折

〒598-0048 大阪府泉佐野市りんくう往来北1-59 大阪府家畜保健衛生所
 TEL 072-458-1151 FAX 072-458-1152
 MAIL kachikuhoken@sbox.pref.osaka.lg.jp

livestock status in Osaka Prefecture

28-Sep-16

区分	①livestock farming		②production (tons)	③gross agricultural production (hundred million ¥)
	farm	animals (bee; group)		
dairy cattle (milk)	30	1,360	10,190	12
beef cattle (beef)	11	730		1
pig (pork)	7	6,250		6
layer (egg)	15	69,000	1,193	3
broiler (chicken)	1	2,500		
hens (education, pets)	176	10,702		
honey bee (honey)	118	1,844		

※other livestock product; duck

①Livestock Statistics, Statistics of Agriculture, Forest and Fisheries (1 Feb 2016)

“layer” is limited to over 6 month old layer. Farms keeping only breeding chicken or adult male hens fewer than 1000 are excluded from layer farms

②Milk and Dairy Products Statistics; Livestock Marketing Statistics; Egg Marketing Statistics, Statistics of Agriculture, Forest and Fisheries (2015)

(no data for production in Osaka Prefecture because the numbers of beef and pigs are the amount of slaughter)

③Statistics of Income in agricultural industry (2014)

Animal Welfare and Livestock Section: Organization and work distribution (as of Apr. 1, 2016)

Section Head (1/1)

65 ppl
Of these, the number of veterinarians:
36 ppl

Personnel (Total / Veterinarians (# of the total))	Division of duties	Budget (¥'000s)
General Affairs / Planning Group (6/1) Secretary: 1/0 Group Head (Section Head Aide): 1/0 Chief Examiners: 3/1 Other: 1/0	① Duties related to salaries, allowances, commendations, training, and welfare programs. ② Duties related to budgeting, accounting, document management, auditing, and assembly. ③ Duties related to part-time staff. ④ Duties related to general planning and coordination for animal-related administration. ⑤ Duties related to the establishment and development of prefectural animal welfare management centers (temp. name).	714,082
Animal Welfare Group (48 / 28) Head office (11 / 8) (Group Head) Section Head Aide: 1/1 Chief Examiners: 4/3 Other: 6/4	① Duties related to the enforcement of the Rabies Prevention Act. ② Duties related to business that involves animal-handling. ③ Duties related to permission for the care and storage of specified animals. ④ Duties related to the picking-up of animals and animal consultation ⑤ Duties related to public awareness on animal rights and proper care. ⑥ Duties related to Osaka Prefecture animal protection agents and the Osaka Prefecture Animal Welfare Promotion Council. ⑦ Duties related to the Temporary Animal Protection Center. ⑧ Duties related to the transfer of animals.	89,744
Animal Management Counseling Office (5/3) Office Head (Section Head Aide): 1/1 Chief Examiner: 1/1 Other: 3/1	① Care and management for cats and dogs. ② Transfer and return of dogs. ③ Picking up cats and dogs, and consultation regarding the care and management of cats and dogs. ④ Cat- and dog-related measures, etc. ⑤ Measures for the time of a rabies outbreak.	
Animal Management Counseling Office Branch (4 locations in the prefecture) (32/17) Chief Examiners: 10/8 Other: 22/9	① Dog capturing. ② Confinement and treatment of injured dogs and cats. ③ Care, management, and returning of cats and dogs ④ Transfer of dogs ⑤ Picking up cats and dogs, and consultation regarding cats and dogs. ⑥ Counselling and public awareness on proper care of cats. ⑦ Measures for the time of a rabies outbreak. ⑧ Counselling and public awareness on rabies prevention and proper care of dogs. ⑨ On-site guidance and training (etc.) for animal-handling contractors. ⑩ On-site guidance and training on the proper care of cats (incl. local regional cat-related measures). ⑪ Consultation regarding pets other than cats and dogs. ⑫ Counselling and public awareness on the proper care of pets other than cats and dogs. ⑬ Counselling for those raising specified animals.	

<p>Livestock Hygiene Group (5/5)</p> <p>Group Head (Section Head Aide): 1/1</p> <p>Chief Examiners: 4/4</p>	<p>① Duties related to all matters pertaining to diseases transmitted to humans by animals.</p> <p>② Duties related to the prevention of animal epidemics.</p> <p>③ Duties related to livestock sanitation measures.</p> <p>④ Duties related to livestock generally and the management thereof.</p> <p>⑤ Duties related to livestock improvement.</p> <p>⑥ Duties related to increasing self-supplied feed.</p> <p>⑦ Duties related to commercial feed.</p> <p>⑧ Duties related to livestock environment conservation measures.</p> <p>⑨ Duties related to business transactions involving livestock.</p> <p>⑩ Duties related to animal-related pharmaceutical issues.</p> <p>⑪ Duties related to veterinary medicine.</p>	<p>26,057</p>
<p>Wildlife Group (5/1)</p> <p>Group Head (Section Head Aide): 1/0</p> <p>Chief Examiner: 1/0</p> <p>Other: 3/1</p>	<p>① Duties related to the protection of rare wildlife.</p> <p>② Duties related to the protection and management of wildlife.</p> <p>③ Duties related to non-native animals (wildlife)</p> <p>④ Duties related to regulations on hunting (etc.).</p> <p>⑤ Duties related to the Environment Council's Wildlife Committee.</p> <p>⑥ Duties related to wildlife protection officers.</p> <p>⑦ Duties related to damages caused by wildlife.</p> <p>⑧ Duties related to propagating knowledge of and spreading public awareness about wildlife protection and management.</p>	<p>52,744</p>

FY2015 Business Outline

総務・企画グループ

1 庶務事務について

課の一般庶務事項を掌るとともに、課内の諸給与、課の物品購入管理事務、課業務の連絡調整等に関する事務を行い事務事業の適正な執行に努めた。

2 企画調整事務について

課の企画関係全般（議会、国家要望、施策評価、各種調査照会、広報・広聴他）について、課内、部内及び庁内の調整を行い、迅速な事務処理に努めた。

3 動物愛護管理センター（仮称）の整備

狂犬病予防対策など公衆衛生の向上を中心とした動物衛生行政から、動物とのふれあいを通じてやさしい心を育み、命の尊さを学ぶなど動物愛護の普及啓発を中心とした動物愛護管理行政に転換を図るための拠点施設として、また、狂犬病を含む動物由来感染症に対する予防対策を行うとともに、危機事象発生時には、被災動物の救護施設と位置づけるなど、府民の安心安全の基盤づくりを担う施設として、動物愛護管理センター（仮称）（以下「動愛センター」という。）を整備する。

Animal Welfare Group

1 Complaints and consultations related to cats, dogs, and other protected animals, as well as the animal handling business, etc.

Coordination was carried out with relevant agencies within the prefecture regarding complaints and consultations from prefectural residents regarding cats, dogs, and other protected animals, as well as the animal handling business, and smooth responses were made.

2 Raising awareness on rabies prevention and animal welfare

In order to deepen prefectural residents' interest and understanding of rabies prevention and how to appropriately raise dogs, awareness was raised through leaflets, Websites, etc.

3 Custody of cats, dogs, and other protected animals, and taking away injured animals

Based on Article 35 of the Act on Welfare and Management of Animals, custody of cats and dogs was carried out at the Animal Control Center and 4 branches.

In addition, based on Article 36 of the Livestock Hygiene Service Centers Act, custody and treatment of dogs and cats found injured in public locations were carried out.

Based on the specifications of Article 10 of the Osaka Prefectural Ordinance on Animal Welfare and Management, custody of animals (mammals, birds, and insects in addition to dogs and cats) that can

no longer be kept due to unavoidable circumstances was carried out by the Animal Welfare and Livestock Division.

4 Rabies prevention and control of pet dogs

The Animal Control Center and the 4 branches (Minoh, Shijonawate, Fujidera, Izumisano) captured dogs that were not leashed, making efforts to prevent harm to people. In addition, as there were many problems associated with a decline in morals of pet owners, such as pet dogs running loose, people getting bitten by dogs, damage caused by manure, etc., in order to resolve these problems, efforts were made to increase morals and to make the general meaning of the Osaka Prefectural Ordinance on Animal Welfare and Management thoroughly known to dog owners, through coordination with relevant agencies.

5 Raising awareness on proper raising of dogs

To uplift the spirit of animal welfare and raise awareness on proper raising of animals, training classes for pet dogs were implemented with cooperation from relevant organizations, etc.

6 Affairs related to regulations of the animal handling business

(1) Registration of animal handling businesses (June 1, 2006: enforcement) (excluding Osaka City and Sakai City)

Registration of animal handling businesses as based on Article 10 of the Act on Welfare and Management of Animals, registration renewal as based on Article 13 of the said Act, notification of changes as based on Article 14 of the said Act, notification of discontinuance of business, etc. as based on the Article 16 of the said act, registration cancelation as based on Article 17 of the said Act, and reissuance of registration certificates as based on Article 2, Paragraph 7 of the Enforcement Regulations for the said Act were carried out.

(2) Hosting of training workshops for persons responsible for handling animals

Training workshops were held at the various business sites engaged in the animal handling business, in order to provide guidance on supervising persons involved in this business, as well as guidance to new pet owners on how to appropriately raise animals, based on Article 22 of the Act on Welfare and Management of Animals and Article 10 of the Enforcement Regulations for the said Act.

7 Affairs related to permission for raising and keeping specified animals

Work related to permission for specified animals as based on Article 26 of the Act on Welfare and Management of Animals, permission for changes as based in Article 28 of the said Act, and notification of discontinuation as based on Article 1, Paragraph 1 of the Enforcement Regulations for the said Act was carried out. (Excluding Osaka City and Sakai City)

8 Measures against infectious diseases derived from animals

(1) Surveillance, etc. was implemented for raccoons that were captured in the Osaka Prefecture area through a project by the Wild Animals G, which will be mentioned below, for measures against

raccoon damage, with the objective of contributing to the following infection control measures for animal-derived infectious diseases. (1) (2) Implemented jointly with the Wild Animals G)

- ① Surveillance of Japanese spotted fever, Q fever

(2) Dog rabies

9 Raising awareness on animal welfare

In order to deepen interest and understanding on animal welfare and appropriate rearing of animals, awareness was raised through organizing weekly animal welfare projects, etc., creating and distributing posters, enhancing Websites, etc.

- (1) Weekly animal welfare projects

Hosting of "Osaka Animal Welfare Festival"

- (2) Creation of leaflets, awareness posters, etc.

Creation and distribution of "I'm glad I met you, together forever" to promote lifelong feeding

10 Osaka Prefectural Animal Welfare Promotion Council and Osaka Prefectural Animal Welfare Promotion members

In addition to organizing and managing the "Osaka Prefectural Animal Welfare Promotion Council," with constituent members being people from organizations, etc. with deep knowledge of animal welfare, training workshops were held for delegated Osaka Prefectural Animal Welfare Promotion members in order to promote animal welfare.

11 Operation of the Osaka Prefecture Temporary Animal Care Center

For cats taken into custody as based on Article 35 of the Act on Welfare and Management of Animals, animals (excluding dogs) with unknown owners that were taken away when injured on a road, etc. as based on the specifications of Article 36 of the said Act, and animals that were taken into custody based on the specifications of Article 9 of the Osaka Prefectural Ordinance on Animal Welfare and Management, temporary care, etc. was provided based on private sector consignment.

12 Subsidies for animal carcass disposal fees for dogs, cats, etc. with unknown owners

With regard to taking away animal carcasses that were found on roads, etc. (when the owner is unknown) as based on Article 36, Paragraph 2 of the Act on Welfare and Management of Animals, rights are transferred to municipalities (excluding designated cities and core cities) as based on the specifications of Article 12 of Special Provisions Concerning Paperwork Related to Administrative Affairs of the Environment, Agriculture, Forestry and Fisheries in Osaka Prefecture, and as fees required for such transfers, subsidies were granted for animal carcass disposal fees for dogs, cats, etc. with unknown owners to the applicable municipality.

Livestock Hygiene Group

1 About general livestock industry promotion measures

(1) Entrusted work projects

To promote rational production of beef cattle, stability of management, and development of beef cattle production, entrusted work from the Agriculture & Livestock Industries Corporation was implemented.

(2) Large livestock management promotion

① Measures on improvement and increased production of livestock

A subsidy was granted to a project where the Osaka Prefecture General Livestock and Agriculture Co-operative Association investigates and analyzes feeding and management items, milk constituents, etc. for dairy cattle of core dairy farms in the prefecture, and provides guidance on selecting and securing superior cows, utilization based on their capabilities, and improvement of efficient feeding and management.

Subsidy granted to: Osaka Prefecture General Livestock and Agriculture Co-operative Association

② Promoting distribution measures for raw milk and dairy products

A subsidy for raw milk planning and production guidance and field surveys, etc. was granted to the Osaka Prefecture General Livestock and Agriculture Co-operative Association in order to smoothly promote systematic production of raw milk that conforms with demand, promotion and sustainment of new milk constituents, improvement of milk quality, etc.

Subsidy granted to: Osaka Prefecture General Livestock and Agriculture Co-operative Association

③ Beef breed calf price stabilization measures

In addition to partially subsidizing producers' funds related to the beef breed calf producers subsidy system implemented by the Osaka Prefecture General Livestock and Agriculture Co-operative Association, work from the Agriculture & Livestock Industries Corporation was entrusted, and promotion of projects was carried out

④ Cattle dealer licensing work

To promote fairness of livestock transactions, issuance work for cattle dealer licenses, etc. was carried out as follows.

(3) Small- and medium-sized livestock management promotion

① Hen egg production and shipment coordination guidance

To promote stability of hen egg management, guidance on systematic production of hen eggs that matched demand was provided, and outsourcing was carried out for part of the project.

Outsourced to: Osaka Prefecture Poultry Association

② Work related to the Poultry Farming Promotion Act

Hatchers were registered based on the Poultry Farming Promotion Act.

③ Beekeeping stabilization promotion

To promote appropriate configurations of bees that match the nectar sources in the prefecture, as well as robust expansion of beekeeping, coordination meetings on transferred feeding of bees were held.

(4) General feed measures promotion

① Feed safety securement measures

Based on the Act concerning Safety Assurance and Quality Improvement of Feeds, confirmation, consultation, and acceptance of notifications related to feed, were carried out.

② Self-supplied feed promotion

To promote improvement of the feed self-sufficiency rate, a survey on distributed coarse feed and a survey on the state of utilization of Ecofeed were implemented for livestock farmers, etc., and guidance on increased production based on self-supplied feed was carried out.

(5) Livestock environment preservation measures

① Environmental preservation-type livestock establishment measures promotion

Based on the Act on the Appropriate Treatment and Promotion of Utilization of Livestock Manure, in addition to implementing on-site inspections for livestock farmers, field surveys were implemented in the entire prefectural region in order to accurately comprehend the current state of environmental pollution related to livestock management. General guidance was carried out for municipalities and agricultural organizations, and efforts were made toward promoting environmental preservation of livestock management.

In addition, a livestock environment preservation measures project was implemented by commissioning it to the Osaka Prefecture General Livestock and Agriculture Co-operative Association, a compost cooperative was organized, a livestock compost utilization manual was created and distributed, and promotion of utilization of livestock compost was encouraged.

Outsourced to: Osaka Prefecture General Livestock and Agriculture Co-operative Association
Name of commissioned project: Livestock Environment Preservation Promotion Project

2 Livestock Hygiene Service Center operation

To improve livestock hygiene and contribute to livestock industry promotion, Livestock Hygiene Service Centers were established based on the Livestock Hygiene Service Centers Act. To ensure an environment where operations of Livestock Hygiene Service Centers can be run smoothly, expenses related to operation and maintenance are allotted to Livestock Hygiene Service Centers.

(1) Artificial insemination of livestock

Work such as for issuance, etc. of livestock artificial inseminator licenses, etc. was carried out.

3 About domestic animal infectious diseases control

(1) Domestic animal infectious disease control

For monitored infectious diseases based on the Act on Domestic Animal Infectious Diseases Control, Livestock Hygiene Service Centers implemented testing of tuberculosis, Brucellosis, Johne's disease, etc., and preventive injections for anthrax, Swine erysipelas, etc.

(2) Preventive measures for animal-derived infectious diseases

To enhance and strengthen the prevention system for animal-derived infectious diseases, the Osaka Prefecture Council on Measures for Animal-Derived Infectious Diseases was held in coordination with the Health and Medical Care Department.

4 Livestock hygiene measures

In order to supply livestock products with which prefectural residents can feel at ease, various projects were carried out, centering on Livestock Hygiene Service Centers, in order to promote management stability, etc. of livestock farmers.

(1) Measures for developing a system for monitoring crisis management

① About measures for developing a system for monitoring crisis management

a. Reinforcement of approaches for preventing domestic animal infectious diseases

To raise awareness on Guide on Specified Domestic Animal Infectious Diseases Related to Avian Influenza and Osaka Prefecture's Guideline on Preventive Measures, prefectural promotion meetings, etc. were held in order to strengthen the preventive structure.

b. Measures for developing information related to animal health

Information on Livestock Hygiene Service Centers, etc. was issued in order to report information related to animal health every quarter to the national government, and for the Livestock Hygiene Service Centers, etc. to provide information promptly.

c. Diagnostic prevention technology improvement measures

Livestock Hygiene Service Centers implement surveys in order to establish appropriate and prompt diagnosis of monitored infectious diseases.

d. Measures to prevent spreading

Together with Livestock Hygiene Service Centers, prevention seminars were held in order to maintain a structure for when domestic animal infectious diseases arise.

e. Diagnosis network

With Osaka Prefecture as the secretariat, the Kinki Block Diagnosis Network Council was organized, and expertise training workshops and study sessions were held.

f. Measures for risk management of veterinary drugs

Livestock Hygiene Service Centers implemented field surveys on the use of veterinary drugs and tests for drug sensitivity in order to promote appropriate manufacture, sales, and use of veterinary drugs.

② BSE testing/cleaning promotion

Livestock Hygiene Service Centers implemented BSE tests for all fallen stock aged 48 months and older.

(2) Measures to improve productivity

In addition to implementing surveys to search for factors that inhibit productivity of livestock, Livestock Hygiene Service Centers implemented guidance and measures to improve productivity by controlling factors that inhibit productivity. In addition, lectures, etc. were held based on the results of surveys and tests.

(3) Measures to ensure safety of livestock products, etc.

a. Development of system for production and hygiene management of livestock products

Livestock Hygiene Service Centers implemented surveys on the infiltration conditions of pathogens that serve as causes of harm in introducing HACCP, and raised awareness on HACCP in order to develop a system for production and hygiene management of safe livestock products.

b. Development of hen egg production management system

Livestock Hygiene Service Centers implemented Salmonella contamination surveys and hygiene guidance in order to improve hygiene management at hen egg poultry farms, etc.

c. Development of system for monitoring animal-derived infectious diseases

Livestock Hygiene Service Centers implemented surveys on infiltration conditions of Escherichia coli O157, Salmonella, etc. for livestock farmers in the prefecture in order to reinforce monitoring of animal-derived infectious diseases.

(4) Commissioning of pharmaceutical monitoring operations

To ensure the quality, efficacy, and safety of veterinary drugs, monitoring (commissioned by the Ministry of Agriculture, Forestry and Fisheries) of manufacturing and sales businesses, etc. was carried out.

(5) Sales license reviews, etc.

License reviews, etc. were conducted based on the Pharmaceutical Affairs Act for businesses in the sale of veterinary drugs, etc.

(6) Ensuring appropriate veterinary practice

In addition to accepting notifications regarding establishment of animal care as based on laws, guidance on complying with relevant laws was provided.

A subsidy was provided to municipalities that transferred veterinary practice operations as based on the Guide on Implementing an Osaka-style Decentralization Promotion System.

Issued to: Osaka City

(7) Development of testing equipment

In order to carry out prompt preventive measures at times when domestic animal infectious diseases arise, etc., equipment that enables for efficient work was developed.

Wild Animals Group

1 Wildlife protection and management

(1) Protection and management of wildlife

Based on the 11th Osaka Prefecture Wildlife Protection and Management Plan formulated in March 2012, construction of appropriate relationships between humans and wildlife, and protection and management of wildlife as a basis for preserving biodiversity were implemented (partially revised in association with revision of the law in May 2015).

(2) Implementation of management plan for Type 2 designated wildlife (deer, boar)

Based on the Osaka Prefecture Deer Type 2 Wildlife Management Plan (Phase 3) and Osaka Prefecture Boar Type 2 Wildlife Management Plan (Phase 2) formulated in May 2015, comprehensive measures were promoted, such as measures to prevent hunting and capture of harmful wildlife, and to prevent damage to agricultural and forestry industry in order to reduce damage caused by deer and boar, and to promote stable coexistence over the long term.

(3) Designation of wildlife sanctuaries, specified areas where use of hunting gear is prohibited, etc.

To promote protective breeding of wildlife and prevent danger caused by hunting, wildlife sanctuaries and specified areas where use of hunting gear is prohibited (guns) were designated.

(4) Wildlife protection

a. To enhance the aid system for wildlife, wildlife first-aid doctors were designated, and a volunteer system for protecting and feeding injured wildlife was implemented, with the cooperation of veterinary associations in the prefecture.

b. To promote management of wildlife sanctuaries, etc., dissemination of the idea of wildlife protection, and guidance on control such as violation of laws, etc., wildlife protectors were designated.

2 Proper hunting

(1) Hunting

a. Hunting license tests were held for hunters (aptitude/knowledge and proficiency tests for amateurs, aptitude test and seminar for those renewing their licenses)

b. In addition to issuing hunter registration certificates for hunters, special licensing was carried out for capturing wildlife based on objectives of academic research and objectives recognized as being necessary for the public good.

Work related to permits for capturing harmful wildlife, etc., and work related to registering feeding, etc. of pet animals have been transferred to municipalities starting in FY2007 (from FY2008 for Osaka City).

(2) Control of wildlife protection

To prevent hunting accidents and monitor illegal hunting, etc. of wildlife, cooperation from the Prefectural Police Headquarters was obtained, and patrols were made as needed by judicial police officers and wildlife protection managers.

3 Measures against alien species

(1) Measures against raccoon damage

Damages to the living environment caused by feeding damage of agricultural crops and home invasion stemming from expansion of the habitat distribution of raccoons that have been designated as invasive alien species have become acute. As a result, based on the Stage 2 Osaka Prefecture Raccoon Control Implementation Plan formulated in March 2011, control of raccoons, such as through capture and euthanasia measures, was implemented.

* Stage 2 Osaka Prefecture Raccoon Control Implementation Plan (April 1, 2011 to March 31, 2006)

(2) Other measures against alien species

For alien species (mainly beasts, birds) that have established themselves in the prefectural area, data was gathered on species, distribution conditions, damage conditions, etc. in order to contribute to measures before their habitat distribution expansion.

Support, etc. for euthanasia measures for nutria was carried out.