Individual Cattle Identification and Beef Traceability System in Japan



Mr Osamu Hirokawa

Vice president, National Livestock Breeding Center (Japan)

1. Turmoil after the BSE outbreak and the decrease of beef consumption

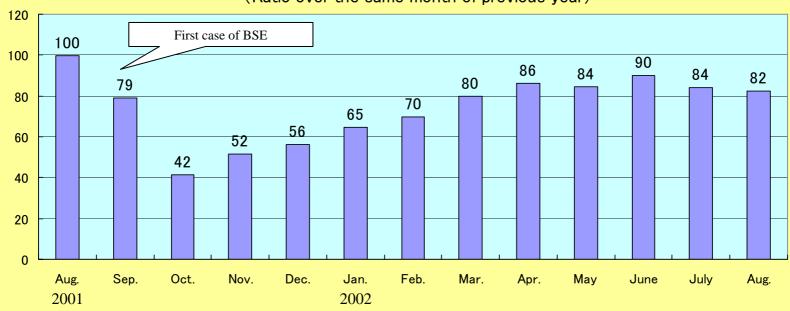
(1) Turmoil after the BSE outbreak

* Japanese Government announced the first case of a Bovine Spongiform Encephalopathy (BSE) suspected cow on September 10th in 2001.

X Japanese mass media covered it extensively.

X Japanese consumers thought that beef was not safe because of BSE. Therefore, beef consumption decreased drastically.

(2) Decrease of beef consumption (Household consumption quantity per person)

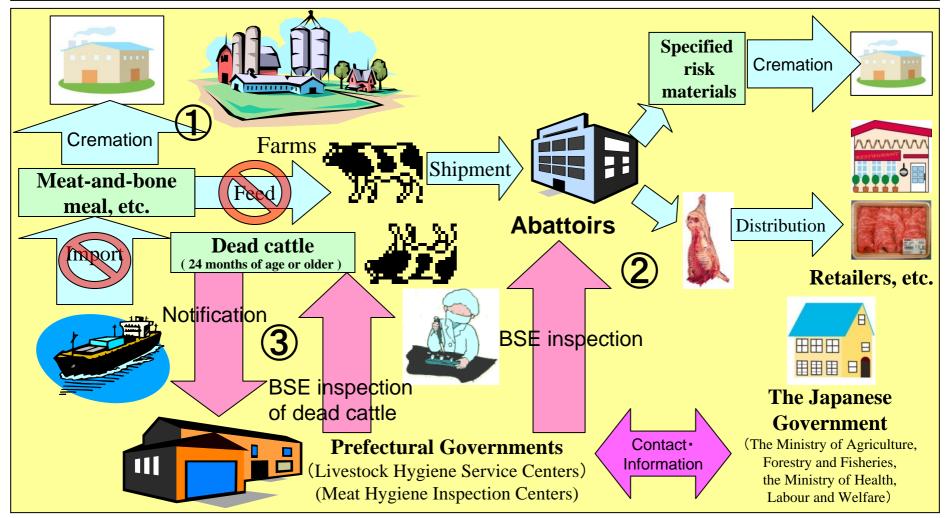


(Ratio over the same month of previous year)

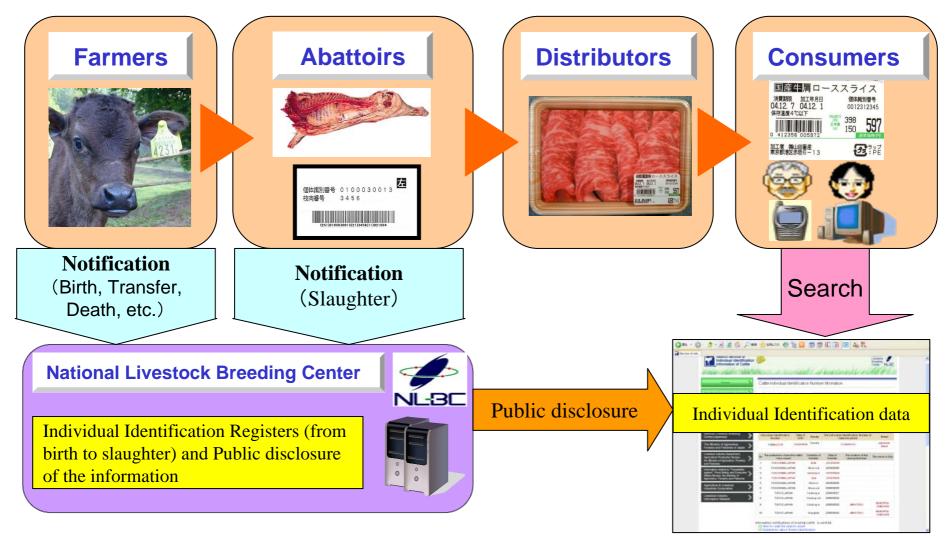
Source: The Ministry of Internal Affairs and communications, "Family Income and Expenditure Survey"

2. Series of measures after the BSE outbreak

- (1) To prohibit the feeding of meat-and-bone meal, etc. to prevent further infection of BSE (Since October 4th, 2001).
- (2)To implement BSE inspection of slaughtered cattle and removal of specified risk materials at abattoirs (Since October 18th, 2001).
- (3)To enforce reporting of dead cattle at farm 24 months of age or older and to implement BSE inspection of the cattle (Since April 1st, 2003).

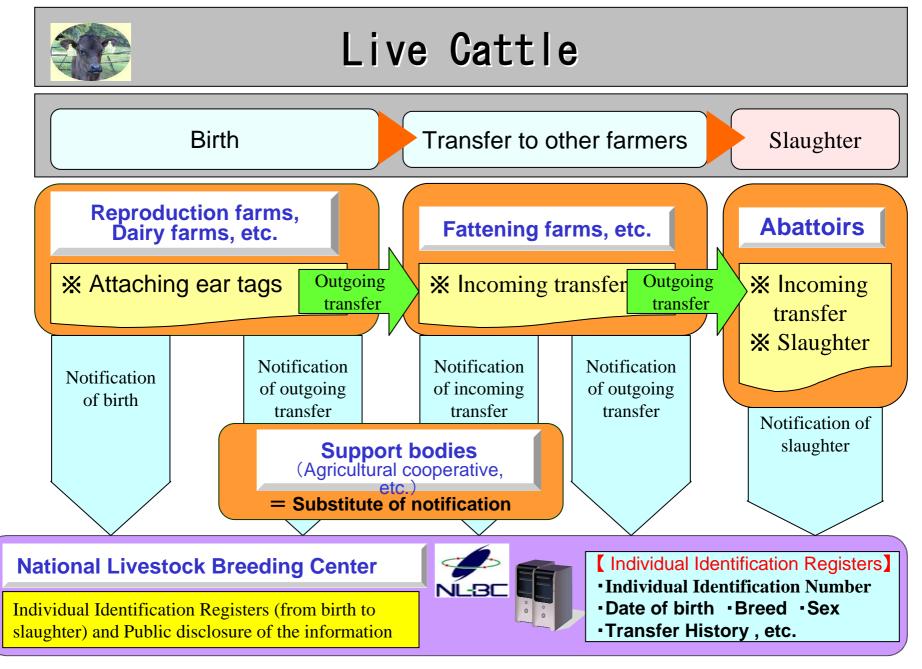


3. Individual Cattle Identification System, Beef Traceability System and Role of NLBC

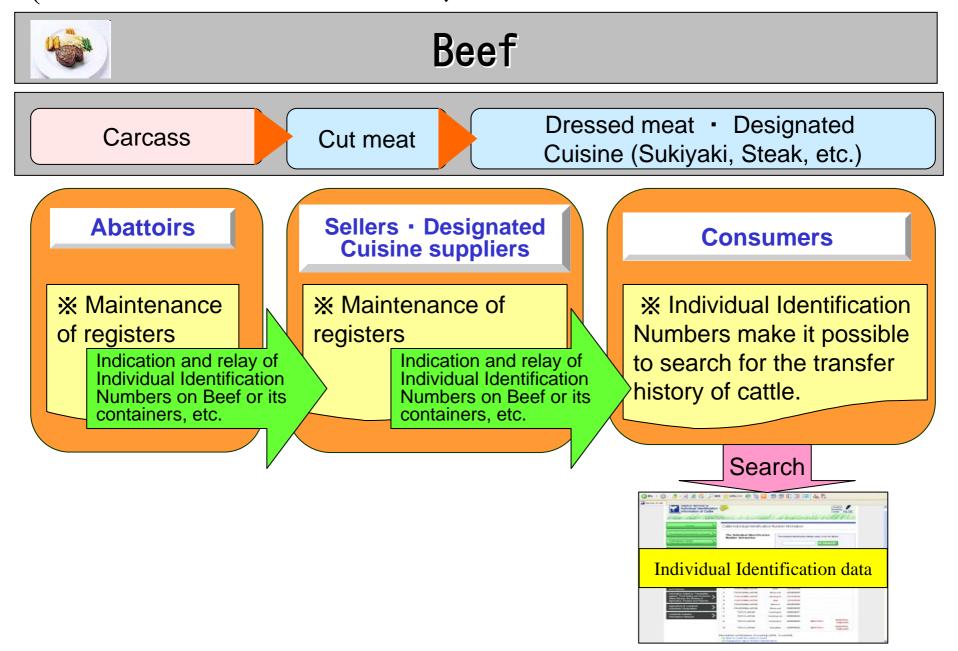


The Japanese animal identification system complies with the rules in chapter 4.2 of the OIE terrestrial Code 'Design and implementation of identification systems to achieve animal traceability'.

4. 1 Details of Beef Traceability System (from Birth to Slaughter)



4. 2 Details of Beef Traceability System (from carcass to Dressed meat)



5. 1 Supervision of Individual Cattle Identification Information (Ear tags and Individual Identification Number)

(1) Ear Tags for Individual Identification

Requirements of ear tags for Individual Identification are as follows.

- (i) The tags should be manufactured in such a manner that they cannot easily be detached after being attached.
- (ii) The tags should be manufactured in such a manner that they cannot be re-attached after removal.
- (iii) The Individual Identification Number should be of an easily identifiable color and size.
- (iv) The Individual Identification Number should be manufactured in such a manner that it cannot be easily tampered with, modified or erased.

(2) Individual Identification Number

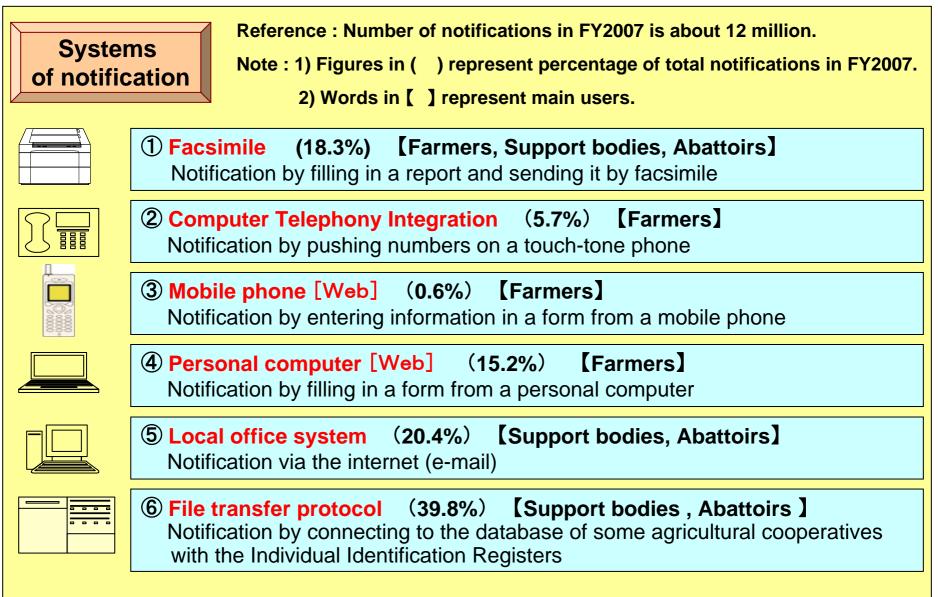
Individual Identification Number 10 digits : 1 0 0 0 0 5 4 3 2 1

 The Individual Identification Number consists of 10 digits.

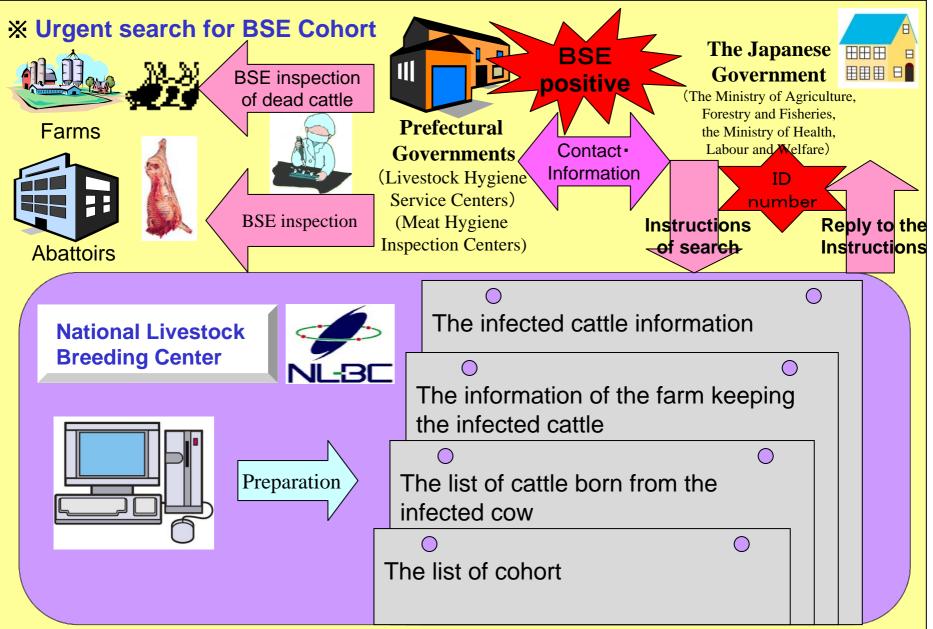
② Only one Individual Identification Number can be used during the lifetime of each animal. If the ear tags become detached, a new ear tag bearing the same Individual Identification Number should be reissued.



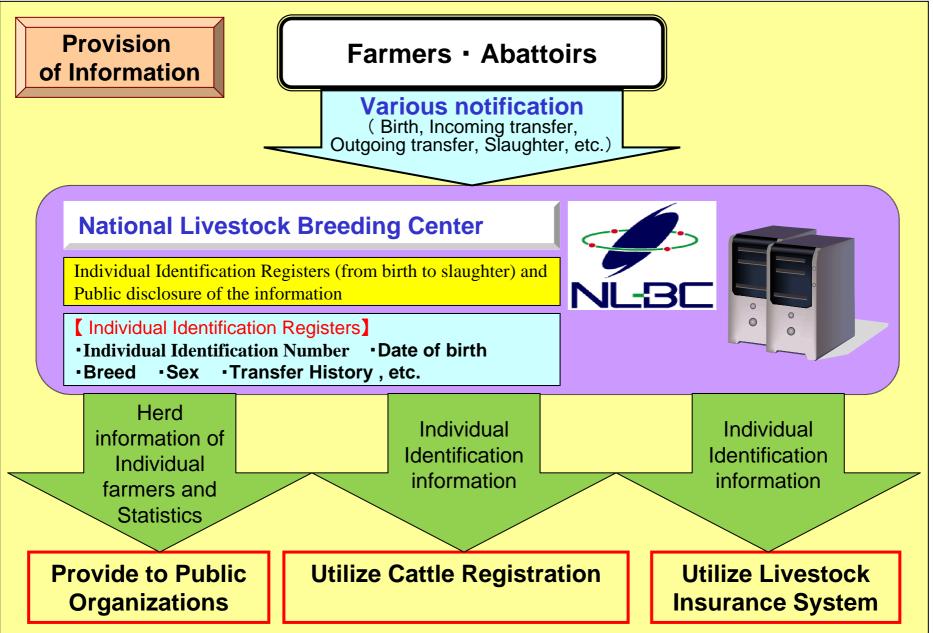
5.2 Supervision of Individual Cattle Identification Information (Notification of Individual Cattle Identification Information)



5. 3 Supervision of Individual Cattle Identification Information (Urgent search for BSE Cohort)



5.4.1 Supervision of Individual Cattle Identification Information (Utilization of Individual Cattle Identification Information)



5.4.2 Supervision of Individual Cattle Identification Information (Utilization of Individual Cattle Identification Information)

Provide to Public Organizations

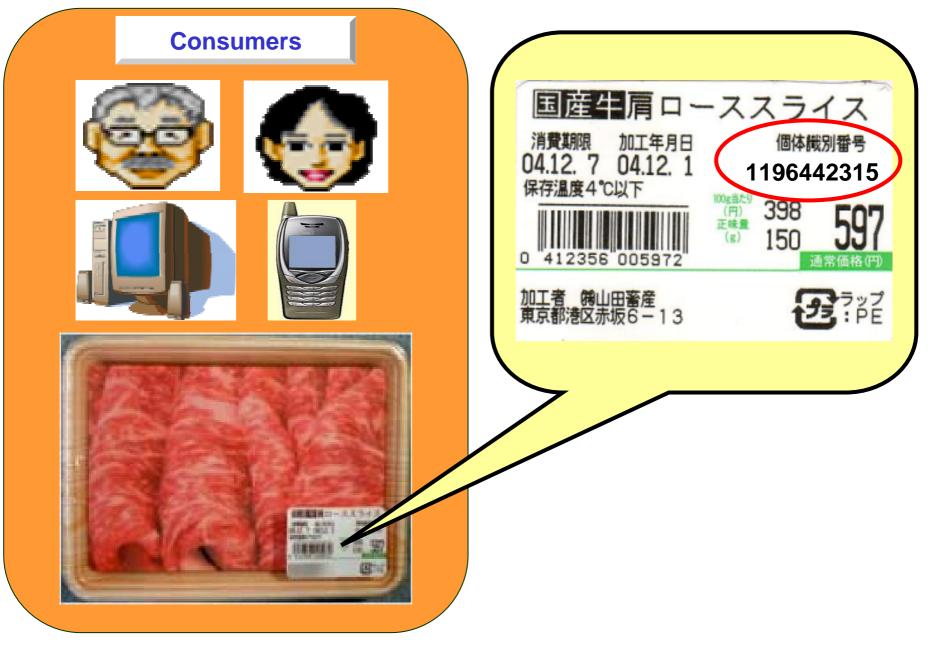
※ Provide prefectural governments with herd information of individual farmers for establishing administrative policies and statistics.

Utilize Cattle Registration

※ Provide the Holstein Cattle Association of Japan with Individual Cattle Identification Information (Date of birth, Sex, Breed, Name of Manager, etc.) for publishing registrations automatically.

Utilize Livestock Insurance System

※ Provide Livestock Insurance Cooperative with Individual Cattle Identification Information (Date of birth, Sex, Breed, Name of Manager, etc.) for the sake of proper and efficient procedure of underwriting agreement, accident, etc. **5. 5.1 Supervision of Individual Cattle Identification Information**) (Public disclosure of Individual Cattle Identification Information)

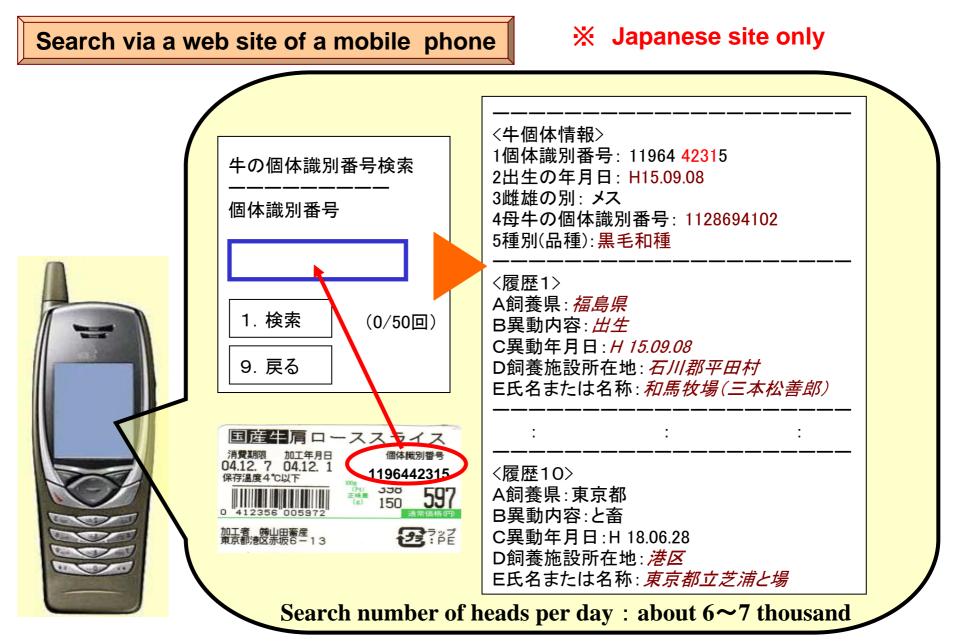


5.5.2 Supervision of Individual Cattle Identification Information) (Public disclosure of Individual Cattle Identification Information)

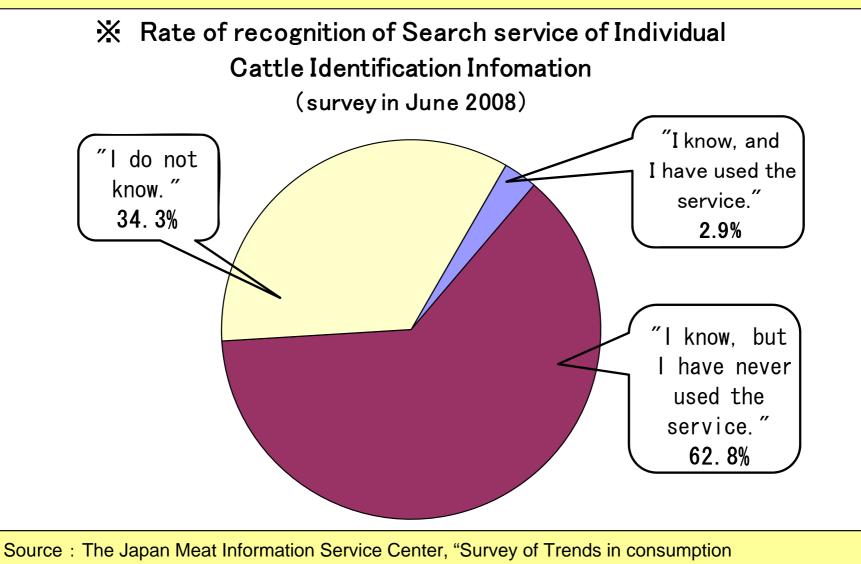
Search via a web site on a personal computer

	② 東西 · ② · 沙 · N ② ⑦ ♪ 検索 ☆ お気に入り ④ 音 ⑤ 回 回 区 区 ☑ 读量 表。 Service of refr. Service of refr.
Beef traceability and individual identification of cattle	Information of Cattle Conter * NLSE Home Cattle Individual Identification Number Information The Beef Traceability System > The Individual Identification Individual Cattle The Individual Identification
Constrained of The balance and and the second of the	Identification Register Q. Search About This Site Birth Openetigit ID number 200 Cate National Livestock Breeding Individual identification Center(Japanese) Individual identification The Ministry of Startes of Japan Individual identification
国 陸生 肩ローススライス 消費期限加工年月日 04.12.7 04.12.1 保存温度4°C以下 1196442315	Livestock Industry Department, Agricultural Production Bureau, the Ministry of Agriculture, Forestry and Flaheries Ime prefecture where the cattle Contents of transfer Date of transfer The location of the raising facilities The name or title Information related to "Traceability and Flaheries If CKUCSHIMA_JAPAN Bitt 2004/08/06 The name or title 2 FUKUSHIMA_JAPAN Bitt 2004/08/06 The name or title 3 FUKUSHIMA_JAPAN Saite 2004/08/06 Saite Saite 4 FUKUSHIMA_JAPAN Saite 2004/08/06 Saite Saite Saite 5 FUKUSHIMA_JAPAN Saite 2004/08/06 Saite
	D Livestockindustry Status 2008.08/23 information Network of California Convince in Conversion Network Status 2008.08/23 of California Convince in Conversion Network Status 2008.08/23 of California Conversion Network Status 2008.08/23 of California Conversion Network Status 2008.08/23 MINATOKU Status 200
Search nun	nber of heads per day : about $90 \sim 110$ thousand
(URL) http	os://www.id.nlbc.go.jp/english/

5.5.3 Supervision of Individual Cattle Identification Information (Public disclosure of Individual Cattle Identification Information)



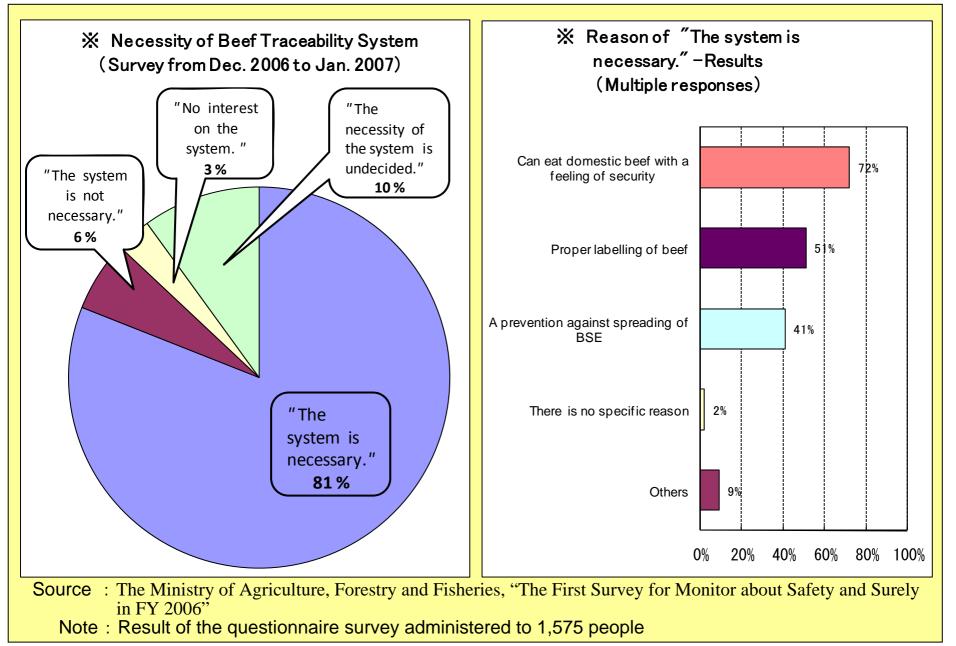
6. Rate of recognition of Individual Cattle Identification System



(Survey of Consumer)"

Note : Result of the questionnaire survey administered to 2,102 families

7. The understanding of the Beef Traceability System by the Japanese Population



8. Requests from Consumers, Farmers, Distributors, etc.

Requests from Consumers, Farmers, Distributors, etc.

[Consumers]

% Have an interest in place of origin (longest rearing prefecture), supplied feed and medicine, etc., when they buy beef

[Farmers, Farmer's Bodies]

- *** Possible merits from the Individual Cattle Identification System such as,**
 - Introduction of a Radio Frequency Identification system for the purpose of the automatic Individual Identification registries and reduction of labor for notifications, etc.
 - Linking of Individual Identification Registers with other information (Pedigree Information, Carcass Grading Information, Vaccination Information, etc.)

[Distributors]

Want to utilize Individual Identification Information as a measure to confirm the indication of the place of origin which is based on the JAS (=Japanese Agricultural Standard) law ※
※ If they prefer the indication of prefecture name to that of domestic, it should indicate the prefecture name where the cattle was raised for the longest period.