

2019年8月30日

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**農業技能測定試験（畜産農業全般）学科試験問題の範囲 英語版**  
**The Coverage of Academic Examination of the Agriculture Skill Assessment Test (Livestock Farming) English Edition**

National Chamber of Agriculture  
Agriculture Skill Assessment Test Office

1. General knowledge regarding livestock farming

(1) Name and use of livestock

The following matters relating to animals used for livestock.

① Cattle, ② Swine, ③ Poultry, ④ Light horses, ⑤ Honeybees

(2) Barn management

Matters relating to the temperature inside the barn.

(3) Livestock management

Matters relating to the supply of feed and water, and conditions of livestock animals.

(4) Emergency response

Matters relating to emergency response.

(5) Composting of manure

Matters relating to composting of manure.

2. Health and Safety

The following matters relating to the health and safety associated with livestock farming jobs.

① Characteristics of livestock, ② Barn cleaning, ③ Disinfection of footwear, etc., ④ Disinfectants, and ⑤ Electricity and fuel oil

3. Dairy

(1) Breeds

Matters relating to characteristics of breeds.

(2) Breeding and physiology

The following matters relating to breeding and physiology.

① Estrus, ② Mating, ③ Pregnancy, ④ Delivery, and ⑤ Artificial insemination

(3) Feeding management

The following matters relating to feeding management.

① Cowshed style, ② Feeding style, ③ Rearing, ④ Calf management, ⑤ Breeding cattle, ⑥ Fattening cattle, ⑦ Diseases, ⑧ Feeding density, ⑨ Water supply, ⑩ Feed design and feed supply, ⑪ Suckling, ⑫ Weaning, ⑬ Environmental management, ⑭ Milking, and ⑮ Shipment of raw milk

#### 4. Beef cattle

##### (1) Breeds

Matters relating to characteristics of breeds.

##### (2) Breeding and physiology

The following matters relating to breeding and physiology.

① Estrus, ② Mating, ③ Pregnancy, ④ Delivery, and ⑤ Artificial insemination

##### (3) Feeding management

The following matters relating to feeding management.

① Cowshed style, ② Feeding style, ③ Rearing, ④ Calf management, ⑤ Breeding cattle, ⑥ Fattening cattle, ⑦ Diseases, ⑧ Feeding density, ⑨ Water supply, ⑩ Feed design and feed supply, ⑪ Suckling, ⑫ Weaning, ⑬ Environmental management, and ⑭ Shipment of living organisms

#### 5. Pig farming

##### (1) Breeds

Matters relating to characteristics of breeds.

##### (2) Breeding and physiology

The following matters relating to breeding and physiology.

① Estrus, ② Mating, ③ Artificial insemination, ④ Pregnancy, ⑤ Delivery, ⑥ Suckling, ⑦ Weaning, and ⑧ Return of estrus

##### (3) Feeding management

The following matters relating to feeding management.

① Suckling piglets, ② Piglets, ③ Fattening pigs, ④ Pregnant pigs, ⑤ Farrowing pigs, ⑥ Breastfeeding pigs, ⑦ Weaned pigs, ⑧ Breeding boar, ⑨ Piggery style, ⑩ Feeding style, ⑪ Rearing, ⑫ Diseases, ⑬ Feeding density, ⑭ Water supply, ⑮ Feed design and feed supply, ⑯ Environmental management, and ⑰ Shipment of living organisms

##### (4) Health and Safety

Matters relating to prevention and disinfection.

#### 6. Poultry farming

##### (1) Breeds

Matters relating to brands and egg shells.

##### (2) Breeding and physiology

The following matters relating to breeding and physiology.

① Body temperature, ② Hatching, ③ Number of days for first egg, ④ Egg laying, ⑤ Lighting, ⑥ Egg weight, ⑦ Body weight, ⑧ Respiration, ⑨ Molting, and ⑩ Feces

##### (3) Feeding management

The following matters relating to feeding management.

① Poultry house style, ② Feeding style, ③ Brooder, ④ Supervision of chicks, ⑤ Ventilation, ⑥ Diseases, ⑦ Noise, ⑧ Debeaker, ⑨ Feeding density, ⑩ Water supply,

⑪ Feed design and feed supply, ⑫ Environmental management, and ⑬ Selection and shipment

(4) Health and Safety

The following matters relating to health and safety.

① Pests, ② Vermin, ③ Infectious diseases, and ④ Vaccines

7. Light horses

(1) Breeds

Matters relating to characteristics of breeds.

(2) Breeding and physiology

Matters relating to breeding and physiology.

(3) Feeding management

Matters relating to feeding management.

8. Apiculture

(1) Breeds

Matters relating to characteristics of breeds.

(2) Breeding and physiology

Matters relating to breeding and physiology.

(3) Feeding management

Matters relating to feeding management.

9. Operation of this document

The coverage of academic examination of the Agriculture Skill Assessment Test (Livestock Farming) shall be operated based on the original text prepared in Japanese.

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**農業技能測定試験（畜産農業全般）実技試験問題の範囲 英語版**  
**The Coverage of Practical Skill Examination of the Agriculture Skill Assessment Test**  
**(Livestock Farming) English Edition**

National Chamber of Agriculture  
Agriculture Skill Assessment Test Office

1. Dairy

(1) Handling of instruments

- Purpose and use of dairy instruments.

(2) Observation of individuals

- Identification of abnormal cattle and estrous cattle.
- Identification of body types of cattle.

(3) Feeding management

- Identification of feed ingredients.
- Identification of environmental conditions of the cowshed.
- Procedures of feed supply.

(4) Handling of products

- Milking procedure and purpose of using milking instruments.

(5) Health and safety

- Wearing of safe work clothes.
- Handling of disinfectant solution.
- Identification of cattle bed condition.

2. Beef cattle

(1) Observation of individuals

- Identification of breed name and its characteristics.
- Identification of abnormal cattle and estrous cattle.
- Identification of breeding cattle and fattening cattle.
- Identification of body types of cattle.

(2) Feeding management

- Identification of feed ingredients.
- Identification of environmental conditions of the cowshed.
- Procedures of feed supply.

(3) Health and safety

- Wearing of safe work clothes.
- Handling of disinfectant solution.

- Identification of cattle bed condition.

### 3. Pig farming

#### (1) Handling of individuals

- Transportation and retention of piglets.

#### (2) Observation of individuals

- Breed name and characteristics.
- Structure and measurement of pig body.
- Identification of estrous pigs and abnormal pigs.
- Identification of breeding pigs and fattening pigs.
- Identification of pigs for shipment.

#### (3) Feeding management

- Identification of feed ingredients and feed.

#### (4) Health and Safety

- Wearing of safe work clothes.
- Handling of disinfectant solution.

### 4. Poultry farming

#### (1) Handling of individuals

- Capture, retention, transportation, and debeaking of chickens.

#### (2) Observation of individuals

- Identification of breeds.
- Structure of chicken body.
- Identification of abnormal chickens.

#### (3) Feeding management

- Identification of feed ingredients and feed.
- Handling of feeding instruments.

#### (4) Handling of products

- Handling of chicken eggs.
- Identification of abnormal eggs.
- Identification of egg quality.

#### (5) Health and safety

- Wearing of safe work clothes.
- Handling of disinfectant solution.

### 5. Operation of this document

The coverage of practical skill examination of the Agriculture Skill Assessment Test (Livestock farming) shall be operated based on the original text prepared in Japanese.