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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 27534.2-2025

Replacing GB/T 27534.2-2011

Technical specification for animal genetic resource survey - Part 2: Swine

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1.Structure and drafting rules for standardization documents" Drafting.

GB/T 27534 "Technical Specifications for Investigation of Livestock and Poultry Genetic Resources" and GB/T 45550 "Technical Specifications for Investigation of Bee Genetic Resources",

GB/T 45552 "Technical Specifications for Investigation of Silkworm Genetic Resources" and GB/T 45553 "Technical Specifications for Investigation of Tussah Genetic Resources" jointly form the support

The basis for the investigation of genetic resources of livestock, poultry, bees and silkworms.

This document is Part 2 of GB/T 27534 Technical Specifications for Livestock and Poultry Genetic Resources Survey. GB/T 27534 has been published as follows.

part.

--- Part 1.General;

--- Part 2.Pigs;

--- Part 3.Cattle;

--- Part 4.Sheep;

--- Part 5.Goats;

--- Part 6.Horses and donkeys;

--- Part 7.Camels and alpacas;

--- Part 8.Rabbit;

--- Part 9.Poultry;

--- Part 10.Deer;

--- Part 11.Mink, fox and raccoon dog.

This document replaces GB/T 27534.2-2011 "Technical Specifications for Survey of Livestock and Poultry Genetic Resources Part 2.Pigs" and GB/T 27534.2-

Compared with.2011, in addition to structural adjustments and editorial modifications, the main technical changes are as follows.

a) Deleted the weight of the net oil, tail weight, blood weight, bladder weight, hoof weight, large intestine net weight and length, small intestine net weight and length in the slaughter and meat quality performance survey.

Weight and length, meat-to-bone ratio, leg-to-hip ratio, water loss rate, etc. (see 4.3.3 of the.2011 edition);

b) Added growth and development performance survey content (see 6.3.2);

c) Added carcass performance investigation content (see 6.3.4);

d) The tenderness, pH1, pH24 and other indicators in the muscle quality survey content have been changed (see 6.3.5, 4.3.3 of the.2011 edition);

e) Added semen quality investigation content (see 6.3.6);

f) Added survey methods (see Chapter 7);

g) Added pedigree information survey content (see 7.10);

h) The sample size required for each survey content indicator has been changed (see 7.2.1, 7.3.1, 7.4.1, 7.5.1, 7.6.1, 7.7.1, 7.8.1 and 7.9.1,.2011

4.2.1, 4.3.3 of the.2016 edition);

i) Changed the requirements for the collation and archiving of survey information (see Chapter 8, Chapter 6 of the.2011 edition);

j) The relevant requirements of the table in the genetic resources survey form have been changed (see Appendix A, Appendix A of the.2011 edition).

Introduction

Livestock and poultry genetic resources are important strategic resources for maintaining national ecological security and agricultural security, and are the material basis for the high-quality development of animal husbandry.

Conducting livestock and poultry genetic resource surveys is a statutory duty stipulated in the Animal Husbandry Law of the People's Republic of China and is an important task in approving new livestock and poultry breeds (supporting lines) and identifying

The basic requirements for identifying new genetic resources, formulating livestock and poultry genetic resource protection and utilization plans and livestock and poultry genetic resource protection lists, and engaging in breeding livestock and poultry production and management, etc.

GB/T 27534 "Technical Specifications for Livestock and Poultry Genetic Resources Survey" aims to standardize and guide the investigation of livestock and poultry genetic resources.

It consists of eleven parts.

--- Part 1.General Principles. The purpose is to provide general survey rules for livestock and poultry genetic resources surveys.

--- Part 2.Pig. The purpose is to standardize the survey content and methods of pig genetic resources.

--- Part 3.Cattle. The purpose is to standardize the survey content and methods of cattle genetic resources.

--- Part 4.Sheep. The purpose is to standardize the survey content and methods of sheep genetic resources.

--- Part 5.Goats. The purpose is to standardize the survey content and methods of goat genetic resources.

--- Part 6.Horses and donkeys. The purpose is to standardize the survey content and methods of horse and donkey genetic resources.

--- Part 7.Camels and alpacas. The purpose is to standardize the survey content and methods of camel and alpaca genetic resources.

--- Part 8.Rabbit. The purpose is to standardize the survey content and methods of rabbit genetic resources.

--- Part 9.Poultry. The purpose is to standardize the survey content and methods of poultry genetic resources.

--- Part 10.Deer. The purpose is to standardize the survey content and methods of deer genetic resources.

--- Part 11.Mink, fox and raccoon dog. The purpose is to standardize the survey content and methods of mink, fox and raccoon dog genetic resources.

Technical Specifications for Livestock and Poultry Genetic Resources Survey

Part 2.Pigs

1 Scope

This document specifies the objects, methods, contents, and record and archive management requirements of pig genetic resources surveys, and describes the survey methods.

This document applies to the investigation of pig genetic resources.

2 Normative references

The contents of the following documents constitute essential clauses of this document through normative references in this document.

For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to

This document.

GB/T 17236 Operation procedures for slaughtering livestock and poultry - Pigs

GB/T 20551 HACCP application specification for livestock and poultry slaughter

GB/T 25172 Technical specification for production and storage of normal temperature semen of pigs

GB/T 27534.1 Technical Specifications for Livestock and Poultry Genetic Resources Survey Part 1.General Principles

NY/T 820 Technical Specifications for Breeding Pig Registration

NY/T 821 Technical Specification for Determination of Pork Quality

NY/T 822 Procedure for determination of production performance of breeding pigs

NY/T 825 Technical specification for determination of carcass traits of lean pigs

NY/T 1180 Determination of meat tenderness - Shear force method

NY/T 2894 Determination of backfat thickness and eye muscle area in live pigs - Type B ultrasonic method