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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 45550-2025

Technical specification for honey bee genetic resource survey

蜜蜂遗传资源调查技术规范

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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 is required.

GB/T 45550 "Technical Specifications for Investigation of Honeybee Genetic Resources" and GB/T 27534 "Technical Specifications for Investigation of Livestock and Poultry Genetic Resources", GB/T 45552 The Technical Specifications for the Investigation of Silkworm Genetic Resources and GB/T 45553 Technical Specifications for the Investigation of Tussah Genetic Resources together constitute the technical standards for the investigation of livestock, bees and silkworms.

The basis for genetic resource surveys.

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document was proposed by the Ministry of Agriculture and Rural Affairs of the People's Republic of China.

This document is under the jurisdiction of the National Technical Committee on Animal Husbandry Standardization (SAC/TC 274).

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Technical specifications for investigation of honey bee genetic resources

1 Scope

This document specifies the objects, methods, contents of the survey on honey bee genetic resources, as well as the requirements for record and archive management, and describes the survey methods.

This document applies to the genetic resource survey of Eastern honey bees (*Apis cerana*) and Western honey bees (*Apis mellifera*).

2 Normative references

GB/T 27534.1

GB/T 45551

3 Terms and definitions

The terms and definitions defined in GB/T 45551 and the following apply to this document.

3.1 colony strength

An indicator to measure the strength of a bee colony.

Note. It is expressed as the number of frames of worker bees and brood combs in the bee colony.

3.2 Robbery

The act of worker bees entering the hive of another beehive to steal honey.

3.3 migration tendency

The act of a bee colony migrating from one place to another to escape adverse environmental conditions.

3.4 production performance

The ability of a bee colony to produce bee products such as honey, bee pollen, royal jelly, propolis, beeswax and bee venom.

4 Survey subjects

It should be any of the following species or resources.

- Bee genetic resources included in the National List of Bee Genetic Resources;
- New varieties (supporting lines) and new resources approved by the livestock and poultry genetic resources approval and appraisal institutions;
- Newly approved bee genetic resources;
- Unknown bee genetic resources.

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