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

GB/T 17980.12-2026

Replacing GB/T 17980.12-2000

**Pesticides - Guidelines for field efficacy trials - Part 12:
Insecticides against scale insects on citrus**

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1. Structure and Drafting Rules of Standardization Documents". Drafting. This document is Part 12 of GB/T 17980, "Guidelines for Field Efficacy Testing of Pesticides". GB/T 17980 has already published the following... part.

1. Insecticide control of lepidopteran borers in rice;

2. Insecticide Control of Rice Leaf Roller;

3. Pesticide Control of Rice Leafhoppers;

12. Insecticide Control of Citrus Scale Insects;

---Part 149: Insecticides for the Control of Red Imported Fire Ants. This document supersedes GB/T 17980.12-2000 "Guidelines for Field Efficacy Trials of Pesticides (I) Insecticides for the Control of Citrus Scale Insects", and is consistent with... Compared with GB/T 17980.12-2000, apart from structural adjustments and editorial changes, the main technical changes are as follows:

- a) The scope of application has been changed (see Chapter 1, Chapter 1 of the.2000 edition);
- b) A new chapter on "Terms and Definitions" has been added (see Chapter 3);
- c) The descriptions and requirements for the test subjects and crops have been revised (see 4.1, 2.1 of the.2000 edition);
- d) The description and requirements of environmental conditions have been revised (see

4.2,

2.2 of the 2000 edition);

e) Added provisions for test treatment (see 5.1);

1 Scope

GB/T 17980.12-2026 is the Chinese national standard covering trials against citrus scale insects - armoured insects that are only susceptible during the brief crawler stage, so the timing of the spray matters more than the product. The guideline fixes the trial design and the plots, the timing and rate of application, the assessment of live scales on marked branches and fruit, the calculation of efficacy against the untreated control and the phytotoxicity to be recorded. It replaces GB/T 17980.12-2000, one of the parts of GB/T 17980 revised together in this batch. It was issued on 27 February 2026 and has been in force since 1 September 2026, replacing GB/T 17980.12-2000. The document is under the responsibility of the Ministry of Agriculture and Rural Affairs. This page is published from the official record of the 2026 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

This document describes the method for field efficacy trials of insecticides for controlling citrus scale insects. This document applies to the use of insecticides to control the arrowhead scale (*Unaspis yanonensis*) and brown scale (*Chrysomphalus*) in citrus trees. Field efficacy trials and evaluations of pesticides for registered scale insects such as **Plastis floricola** were conducted in designated plots. Field efficacy trials were also conducted for other fruit tree scale insects. The experiment was conducted in accordance with the guidelines.

2 Normative references

This document has no normative references.

3 Terms and Definitions

This document does not contain any terms or definitions that need to be defined.

4 Test conditions

4.1 Test subjects and crops The experimental subjects were scale insects. The species of scale insects were recorded. The experimental crop is citrus tree, and a common variety should be selected. Record the variety name.

4.2 Environmental Conditions The experimental sites should be representative orchards with moderate to severe scale insect infestation. The crop varieties and cultivation

conditions of all experimental plots should be... The conditions (soil type, fertilizer and water, tree age, row and plant spacing, etc.) should be uniform and consistent, and conform to local scientific agricultural practices.

5 Experimental Design and Arrangement

5.1 Test Treatment The following treatments should be set up. test reagent, control reagent, and blank control.

5.2 Reagents

5.2.1 Test reagents The test reagent should be applied at least three times; in special cases, the dosage should be set according to experimental requirements. Specify the Chinese/English common name or code of the reagent. Dosage form, active ingredient content, manufacturer, production date or batch number, expiration date, etc.