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

GB/T 17980.16-2026

Replacing GB/T 17980.16-2000

**Pesticides - Guidelines for field efficacy trials - Part 16:
Insecticides against whiteflies in greenhouses**

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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 16 of GB/T 17980, "Guidelines for Field Efficacy Testing of Pesticides". GB/T 17980 has already published the following... part.

- 1. Insecticide Control of Lepidoptera Boring Pests in Rice;
- 2. Insecticide Control of Rice Leaf Roller;
- 3. Pesticide Control of Rice Leafhoppers;
- 16. Insecticide Control of Whiteflies in Protected Cultivation Areas;

---Part 149: Insecticides for the Control of Red Imported Fire Ants. This document replaces GB/T 17980.16-2000 "Guidelines for Field Efficacy Tests of Pesticides (I) Insecticides for the Control of Greenhouse Whiteflies", and is consistent with... Compared with GB/T 17980.16-2000, 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) The requirements for test subjects and crops have been changed (see 4.1, 2.1 of the.2000 edition);
- c) The description and requirements of environmental conditions have been revised (see 4.2, 2.2 of the.2000 edition);

- d) Added provisions for test treatment (see 5.1);
- e) The requirements for test and control reagents have been changed (see 5.2,

1 Scope

GB/T 17980.16-2026 is the Chinese national standard covering field efficacy trials against greenhouse whitefly - a pest that breeds continuously under protection, develops resistance quickly and transmits virus while it feeds. The guideline fixes the trial design and the plots, the timing and rate of application, the assessment of adults and nymphs on tagged leaves before and after treatment, the calculation of efficacy against the untreated control, and the phytotoxicity to be recorded. It replaces GB/T 17980.16-2000, one of the eight 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 17980.16-2000. 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 plot efficacy trials of insecticides for controlling whiteflies in protected cultivation. This document applies to the use of insecticides to control greenhouse whiteflies (*Trialeurodes vaporariorum*) on protected vegetables (cucumbers, tomatoes, peppers, eggplants, etc.) and ornamental plants. He followed the same guidelines in the field efficacy trials of pesticides for protecting crops from whiteflies.

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 subjects of the experiment were greenhouse whitefly and tobacco whitefly. The experimental crops included vegetables such as cucumbers, tomatoes, peppers, and eggplants, as well as ornamental plants. Record the names of the crops and varieties.

4.2 Environmental Conditions The experimental sites should be selected from representative greenhouses/rooms with moderate to severe infestations of greenhouse whiteflies or tobacco whiteflies, and consistent damage patterns. All trials... The crop varieties and cultivation conditions (soil type, fertilizer and water, tillage, etc.) of the

experimental plots should be uniform and consistent, and conform to local scientific agricultural practices.

5 Experimental Design and Arrangement

5.1 Test Treatment Test reagents, control reagents, and blank controls should be included.

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.

5.2.2 Control reagent The control agent should be a registered, locally used product with good efficacy and safety in actual use. The type and function of the control agent should be clearly defined.