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

GB/T 17980.37-2026

Replacing GB/T 17980.37-2000

**Pesticides - Guidelines for field efficacy trials - Part 37:
Nematicides against cyst nematode disease**

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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 37 of GB/T 17980, "Guidelines for Field Efficacy Tests of Pesticides". GB/T 17980 has 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;
- 37. Nematicides for the Control of Cyst Nematode Disease;

---Part 149: Insecticides for the Control of Red Imported Fire Ants. This document replaces GB/T 17980.37-2000 "Guidelines for Field Efficacy Testing of Pesticides (I) - Control of Cyst Nematodes with Nematicides". Compared with GB/T 17980.37-2000, the main technical changes in the "Disease" standard, apart from structural adjustments and editorial modifications, are as follows:

- a) The scope of application has been changed (see Chapter 1, Chapter 1 of the.2000 edition);
- b) The test conditions were changed (see Chapter 4, Chapter 2 of the.2000 edition);
- c) Added requirements for experimental treatments and blank controls (see 5.1);
- d) The requirements for test and control reagents have been changed (see 5.2, 3.1 of the.2000 edition);
- e) Changes were made to cell arrangement, cell size, and duplication requirements (see 5.3,

3.2 of the.2000 edition);

1 Scope

GB/T 17980.37-2026 is the Chinese national standard covering trials of nematicides against cyst nematodes - a pest that lives in the soil, survives years as an egg-filled cyst and is assessed by counting cysts and juveniles in soil cores rather than by looking at the crop. The guideline fixes the trial design and the plots, the timing and rate of application, the assessment of cysts and juveniles in soil samples, and the root and yield response, the calculation of efficacy against the untreated control and the phytotoxicity to be recorded. It replaces GB/T 17980.37-2000, 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 17980.37-2000. 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.

Methods for field efficacy plot trials of cines, beet cyst nematode (*H. schachtii*), and cereal cyst nematode (*H. avenae*). This document applies to field efficacy plot trials and efficacy evaluations of nematicides for the registration of nematicides for the control of cyst nematode disease. Other field efficacy trials are also applicable. Follow the instructions.

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 Selection of test subjects, crops and varieties The subject of the experiment was cyst nematode disease. The experimental crops included potatoes, soybeans, sugar beets, and cereal crops, using non-resistant host varieties of the experimental nematodes or locally grown conventional varieties. Species. Record the variety name.

4.2 Environmental Conditions Field trials should be conducted in areas with severe nematode infestations. All experimental plots should be prepared under the following cultivation conditions (soil type, fertilizer, sowing date, and crop). The spacing between plants and rows should be uniform and consistent with local scientific agricultural practices. If irrigation is required, the method, time, and amount of water used should be recorded.

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.