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

GB/T 17980.23-2026

Replacing GB/T 17980.23-2000

**Pesticides - Guidelines for field efficacy trials - Part 23:
Fungicides against cereal rusts**

农药 田间药效试验准则 第23部分：杀菌剂防治禾谷类锈病（叶锈、条锈、秆锈）

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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 23 of GB/T 17980, "Guidelines for Field Efficacy Tests 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;

23. Fungicide Control of Rust Diseases in Cereals (Leaf Rust, Stripe Rust, Stem Rust);

---Part 149: Insecticides for the Control of Red Imported Fire Ants. This document replaces GB/T 17980.23-2000 "Guidelines for Field Efficacy Testing of Pesticides (I) - Control of Rust on Cereals by Fungicides (Leaf)". The main technical changes in the standard "Rust, Stripe Rust, Stem Rust" (as per GB/T 17980.23-2000), besides structural adjustments and editorial 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 conditions have been 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 17980.23-2026 is the Chinese national standard covering trials against leaf, stripe and stem rust of cereals - stripe rust in particular travels across provinces on the wind and has caused national wheat epidemics in China. The guideline fixes the trial design and the plots, the timing and rate of application, the assessment of infected leaf area on tagged plants before and after treatment, the calculation of efficacy against the untreated control, and the phytotoxicity to be recorded. It replaces GB/T 17980.23-2000, 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 17980.23-2000. 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.

The method of field efficacy plot test for (barley leaf rust), *P. graminis* (stem rust), *P. coronata* (oat crown rust)]. This document applies to field efficacy plot trials and efficacy evaluations of fungicides for the control of cereal rust, for registration purposes. Other field efficacy trials are also included. 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 subjects of the experiment were rust diseases (leaf rust, stripe rust, stem rust, crown rust). The experimental crops were cereal crops such as wheat, barley, and oats, and susceptible varieties or locally grown varieties were selected. The variety names were recorded.

4.2 Environmental Conditions Field trials should be conducted in disease-prone areas, and the cultivation conditions (soil type, fertilization, variety, row spacing, sowing density) of all experimental plots should be considered. The degree of uniformity should be 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.