

ICS 65.100  
CCS B 17



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

**GB/T 17980.41-2026**

Replacing GB/T 17980.41-2000

**Pesticides - Guidelines for field efficacy trials - Part 41:  
Herbicides against weeds in cereal crops**

农药 田间药效试验准则 第41部分：除草剂防治麦类作物田杂草

**Issued on: February 27, 2026**

**Implemented on: September 1, 2026**

**Issued by: State Administration for Market Regulation;  
Standardization Administration of the PRC**

## Table of Contents

- 1 Scope
- 2 Normative references
- 3 Terms and Definitions
- 4 Test conditions
- 5 Experimental Design and Arrangement

### 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 41 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;
- 4.1. Herbicides for Weed Control in Wheat Crops;

---Part 149: Insecticides for the Control of Red Imported Fire Ants. This document replaces GB/T 17980.41-2000 "Guidelines for Field Efficacy Testing of Pesticides (I) - Control of Weeds in Wheat Crops". Compared with GB/T 17980.41-2000, the main technical changes in the draft are as follows, except for structural adjustments and editorial modifications.

- a) The scope of application has been changed (see Chapter 1, Chapter 1 of the.2000 edition);
- b) The requirements for selecting the test weeds have been changed (see 4.2, 2.2 of the.2000 edition);
- c) Added provisions for test treatment (see 5.1);
- d) The requirements for test and control reagents have been changed (see 5.2, 3.1 of the.2000 edition);
- e) The requirements for dosage and water consumption have been changed (see 6.4,

## 1 Scope

GB/T 17980.41-2026 is the Chinese national standard covering trials of cereal herbicides - the weed species and their growth stage at spraying, the crop stage that decides selectivity, and the assessment of both the weeds killed and the crop harmed. The guideline fixes the trial design and the plots, the timing and rate of application, the assessment of weed density and biomass by species, the calculation of efficacy against the untreated control and the phytotoxicity to be recorded. It replaces GB/T 17980.41-2000, 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 17980.41-2000. 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 methods for field plot trials of herbicides for controlling weeds in wheat crop fields. This document applies to the registration of herbicides for controlling weeds in wheat, barley, rye, oats, durum wheat, and other cereal crops, with low field efficacy. District testing and safety evaluation.

## 2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are listed below. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB 4404.1 Seeds of grain crops - Part

## 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 Crops and Cultivars Use locally common cultivation methods and select widely planted varieties. Seed quality should meet the requirements for field seeds in GB 4404.1. Please record the crop species (including Chinese and Latin scientific names), cultivation type, and variety name.

4.2 Selection of weeds as test subjects The weeds in the test site should be representative, the weed density should meet the experimental requirements, and the weeds should be evenly distributed. The weed community composition should be the same as that of the test

herbicide. The herbicide spectrum is consistent. Record the Chinese and Latin scientific names of various weeds.

4.3 Cultivation conditions Soil conditions (soil type, organic matter content, pH, soil moisture, fertility) and tillage practices should be uniform and consistent across all experimental plots, and should meet the requirements of the current regulations. Agricultural practices based on geosciences. Cultivation measures for cereal crops, such as sowing rate, sowing depth, and row spacing, should be adapted to local production realities. Record the previous crop and the herbicides used in the previous crop, and avoid selecting plots that may affect the growth of wheat crops or the effectiveness of the tested herbicides.

## **5 Experimental Design and Arrangement**

5.1 Test Treatment Treatments such as experimental agents, control agents, manual weeding, and blank control should be set up.