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

**GB 4404.1-2024**

Replacing GB 4404.1-2008

**Seed of food crops - Part 1: Cereals**

粮食作物种子 第1部分：禾谷类

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### Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part

1. Structure and drafting rules for standardization documents" Drafting. This document is Part 1 of GB 4404 "Grain Crop Seeds". GB 4404 has been published in the following parts.

### 1 Scope

GB 4404.1-2024 is the Chinese national standard on seed of food crops - part 1: cereals, in the field of agriculture. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 28 October 2024 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 October 2025. Classification: ICS 65.020.01, CCS B22. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

4. Buckwheat", GB 4404.1-2008, Compared with GB 4404.3-2010 and GB 4404.4-2010, in addition to structural adjustments and editorial changes, the main technical changes are as follows:

--- Added terms and definitions for authenticity of genetically modified varieties and purity of genetically modified varieties (see

--- Changed some quality indicators of rice seeds (see 4.1,

4.2.2 of GB 4404.1-2008);

- Changed some corn seed quality indicators (see 4.2.1, 4.2.2 of GB 4404.1-2008), added genetically modified corn varieties Authenticity, purity of genetically modified herbicides and insect resistance (see 4.2.2);
- Changed the quality index of germination rate of conventional wheat seeds (see 4.3, 4.2.3 of GB 4404.1-2008);
- Changed the moisture quality index of sorghum seeds (see 4.6, 4.2.4 of GB 4404.1-2008);
- Added millet hybrid seed quality indicators (see 4.7);
- The test method has been changed (see Chapter 5, Chapter 5 of GB 4404.1-2008). Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents. This document is proposed and coordinated by the Ministry of Agriculture and Rural Affairs of the People's Republic of China. The previous versions of this document and the documents it replaces are as follows:
  - First published in 1984 as GB 4404-1984 and GB 4405-1984;
  - First revised in 1996 as GB 4404.1-1996;

## 2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this text, among which the dated references For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB/T 3543.2 Inspection procedures for crop seeds Part

## 3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Basicseed Seeds of the first to third generation propagated from breeder seeds and confirmed to meet specified quality requirements.

3.2 Qualifiedseed for field use Seeds of the first to third generation or hybrids propagated from original seeds, which are confirmed to meet the specified quality requirements.

3.3 singlecross The first generation seed from the hybrid of two inbred lines.

3.4 Doublecross The first-generation seed from the hybrid of two single-cross species.

3.5 three-waycross The first-generation seed of a hybrid between an inbred line and a single-cross line.

#### **4 Germination test for sowing quality**

GB/T 3543.5 Inspection procedures for crop seeds Part

#### **5 Variety quality and purity identification**

GB/T 3543.6 Inspection procedures for crop seeds Part

#### **6 Determination of moisture content in sowing quality**

GB/T 3543.12 Crop Seed Inspection Procedure Part

#### **12 Determination of Variety Quality of Genetically Modified Seeds**

GB 20464 General Rules for Labelling of Crop Seeds