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

GB 46032-2025

**Specification on pesticide management and usage for stored
grain**

储粮化学药剂管理与使用规范

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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. 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 State Administration of Grain and Strategic Reserves. Specifications for the management and use of chemical agents for grain storage

1 Scope

GB 46032-2025 is the Chinese national standard on specification on pesticide management and usage for stored grain, 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 1 August 2025 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 February 2026. Classification: ICS 65.020.01, CCS B20. 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.

This document stipulates the classification, management requirements and usage requirements of grain storage chemicals. This document applies to the management and use of grain storage chemicals in grain and oil storage units.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. 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 2626 Respiratory protection Self-priming filter type particulate respirator

GB 3796 General Rules for Pesticide Packaging

GB 4838 Packaging of pesticide emulsifiable concentrates

GB 6220 Respiratory protection long tube respirator

GB 12268 List of Dangerous Goods

GB 12475 Pesticide Storage, Transportation, Sales and Use Poison Prevention Regulations

GB/T 16556 Self-contained open-circuit compressed air breathing apparatus

GB/T 29890 Technical Specification for Grain and Oil Storage LS/T 1201 Technical Specification for Phosphine Fumigation

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 In grain storage, it is used to prevent and control pests, mites, rodents and harmful microorganisms that harm grain, warehouses and grain storage equipment and facilities. medicine.

3.2 A chemical agent that can form a gaseous concentration sufficient to kill stored grain pests under specific temperature and pressure.

3.3 Grain storage protectant Grain protectants A chemical agent with high efficiency, low toxicity and long lasting effect that controls stored grain pests through contact, stomach poison and repellent methods.

3.4 Chemical agents are used for emergency treatment to inhibit the occurrence and development of mold in high-moisture grains and avoid heating and mildew.

Note. Such as propionic acid, n-butanol, etc.