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

GB/T 6970-2025

Replacing GB/T 6970-2007

Testing methods for grain driers

粮食干燥机试验方法

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Table of Contents

Preface	III
1 Scope	1
2 Normative References	1
3 Terms and Definitions	1
4 Performance Test	2
4.1 Test Conditions	2
4.2 Dryer Commissioning	2
4.3 Sampling	2
4.4 Sample Preparation	2
4.5 Test Procedure	3
4.6 Experimental Data Processing	5
5 Production Trial	5
5.1 Test Requirements	5
5.2 Test Content	5
5.3 Calculation of Technical and Economic Indicators	5
5.4 Reliability	6
6 Test Report	6

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 replaces GB/T 6970-2007 "Test Methods for Grain Dryers". Compared with GB/T 6970-2007, the main differences are structural adjustments and...

Aside from editorial changes, the main technical changes are as follows.

- a) The terms "drying capacity" and "severe cracking of rice" have been removed (see 3.1 and 3.2 in the 2007 edition);
- b) The "Experimental Principles" section (see 4.1 in the 2007 edition) has been removed;
- c) Added regulations for supporting equipment, revised the requirements for raw rice, wheat, and corn used in the experiment, and deleted the regulations for the low calorific value of coal (see...). 4.1 (4.2 in the 2007 edition)

- d) The commissioning requirements for continuous grain dryers and circulating grain dryers have been modified (see 4.2, 4.3 in the 2007 edition);
- e) The sampling location for raw grain entering the machine has been changed, and the sampling method for measuring drying unevenness in circulating grain dryers has been changed (see...). 4.3 (4.4 in the 2007 edition)
- f) The requirements for determining the data of incoming raw grain samples have been changed (see 4.4, 4.5 in the 2007 edition);
- g) The criteria for measuring workplace dust concentration and noise have been changed, and the test procedure requirements for circulating grain dryers have been changed (see...). 4.5 (4.6 in the 2007 edition)
- h) The calculation and testing methods for some indicators in the experimental data processing have been changed (see 4.6, 4.7 in the 2007 version);
- i) The section "Productivity and Unit Heat Consumption Conversion" has been removed (see 4.8 in the 2007 edition);
- j) Increased reliability requirements (see 5.4);
- k) Added requirements for test report preparation (see 6.1).

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed by the China Machinery Industry Federation.

This document is under the jurisdiction of the National Technical Committee on Standardization of Agricultural Machinery (SAC/TC201).

This document was drafted by: Jiamusi Branch of Heilongjiang Provincial Academy of Agricultural Machinery Engineering Sciences and China Academy of Agricultural Mechanization Sciences Group.

Limited Liability Company, Shandong Younia Agricultural Machinery Co., Ltd., Jiamusi Inspection and Testing Center, Hunan Nongyou Shengtai Agricultural Technology Co., Ltd.

Heilongjiang Provincial Academy of Agricultural Machinery Engineering Sciences and Heilongjiang State Farms Agricultural Machinery Testing and Appraisal Station.

The main drafters of this document are: Sun Peng, Ren Jiayu, Cui Xiao, Liu Rui, Yu Zhanhai, Sun Guiqin, Hou Chong, Cui Chengpeng, Li Tiehui, and Wang Lijuan.

Xu Caihua, Wang Jinnan, Li Congxin, Pan Jiujun, Wang Tiexin.

This document was first published in 1986, revised for the first time in 2007, and this is the second revision. Grain Dryer Test Methods

1 Scope

This document describes the performance testing methods, production testing methods, and test reports for grain dryers.

This document applies to the testing of continuous grain dryers and circulating grain dryers.

2 Normative references

GB/T 1236

GB 5009.3

GB/T 5490

GB/T 5491

GB/T 5492

GB/T 5506.2

GB/T 5510

GB/T 5667-2008

GB/T 10595

GB 13271-2014

GB/T 14095

GB/T 16157

GB/T 19839

GB/T 21015-2023

GB/T 21016-2023

GB/T 21017-2021

GB/T 37519

3 Terms and Definitions

The terms and definitions defined in GB/T 14095 apply to this document.