

ICS 65.060.10

CCS B 91



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

GB/T 4330-2024

Agricultural trailers

农用挂车

Issued on: April 25, 2024

Implemented on: November 1, 2024

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

Table of Contents

- 1 Scope
- 2 Normative references
- 3 Terms and definitions

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 replaces GB/T 4330-2003 "Agricultural trailers": Compared with GB/T 4330-2003, except for structural adjustments and editorial changes, In addition, the main technical changes are as follows:

- a) The scope has been changed to "agricultural trailers with a total mass of 0.5t to 24t towed by tractors" (see Chapter 1, 2003 edition, chapter);
- b) Deleted trailer classification, semi-trailer basic parameters and dimensions, full trailer basic parameters and dimensions, car body specifications and dimensions, hand trailer Main dimensions of the drawbar of a semitrailer towed by a motor vehicle (see Chapter 3 of the 2003 edition);
- c) Added the terms and definitions for agricultural trailers, drawbar trailers (full trailers), center axle trailers, semitrailers, and tractor agricultural trailer units: righteously (see Chapter 3);
- d) Added product models (see Chapter 4);
- e) Added the requirements for the external dimensions of agricultural trailers (see 5:1);
- f) Added the front turning radius requirements for mid-axle trailers and semi-trailers (see 5:3);
- g) Added the requirements for the maximum allowable total mass and maximum allowable axle load limits of trailers (see 5:4);
- h) The unloading direction, type and inclination angle of the trailer have been changed (see 5:5, 3:2 and 3:3 of the 2003 edition);
- i) The measurement method of paint film adhesion has been deleted (see 4:1:9:2 of the 2003 edition);
- j) The welding quality requirements for key parts of trailers have been changed (see 6:1:3, 4:1:13 of the 2003 edition);

- k) Added requirements for trailers used in wading operations (see 6:1:5 and 6:6:1:3);
- l) Added requirements for the mechanical connection between the trailer and the tractor (see 6:1:6);
- m) The braking system requirements have been changed (see 6:2, 4:2:9 of the:2003 edition);

1 Scope

China's national standard for agricultural trailers. It specifies the product models, the basic parameters and the technical requirements. The agricultural trailer is the least regarded and most used implement on a farm: it carries everything, it is towed by whatever tractor is available, and it spends part of its life on public roads. That last fact is what makes a standard necessary. A trailer designed for field use and taken onto a road brings hazards that a road vehicle would not be permitted - inadequate braking on a loaded trailer whose mass exceeds the towing tractor's, no lighting, a coupling not rated for the load, and a load height that makes the combination unstable on a camber. Farm trailer accidents are a persistent category in road casualty statistics everywhere. The requirements accordingly cover braking, coupling, lighting and stability alongside the structural capacity that the buyer is actually thinking about.

This document specifies the product model, basic parameters, technical requirements, inspection rules and marking, packaging, transportation and storage of agricultural trailers: The corresponding test methods were developed: This document applies to the design, manufacture and inspection of agricultural trailers (referred to as "trailers") towed by tractors with a total mass of 0.5t to 24t: Detection:

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/T 2828:

1 Sampling procedures for inspection by attributes Part 1: Sampling plans for batch inspection based on the acceptance quality limit (AQL)

GB/T 2979 Agricultural tire specifications, dimensions, pressure and load

GB/T 3098:1-2010 Mechanical properties of fasteners - Bolts, screws and studs

GB/T 3098:2-2015 Mechanical properties of fasteners - Nuts

GB/T 4331-2024 Test methods for agricultural trailers

GB 4785 Regulations for the installation of external lighting and light signal devices for motor vehicles and trailers

GB 10395:1-2009 Safety of agricultural and forestry machinery Part 1: General principles

GB 10395:

3 Terms and definitions

The following terms and definitions apply to this document: 3:

1 Agriculture trailer A non-powered vehicle towed by a tractor and used to carry goods or for other special purposes in farmlands, tidal flats, hilly areas, grasslands, roads, etc:

Note: Agricultural trailers are divided into drawbar trailers (full trailers), center axle trailers and semi-trailers according to their structure, and into dump trailers and non-dump trailers according to their functions: The walking modes are divided into wheel trailer and crawler trailer: 3:1:

1 Drawbar trailer Full trailer Trailers with at least two axles having the following construction: