

ICS 65.060.50
CCS B 91



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

GB/T 10394.2-2025

Replacing GB/T 10394.2-2002

**Equipment for harvesting - Forage harvesters - Part 2:
Specification of characteristics and performance**

收获机械 饲料收获机 第2部分：技术特征和性能
(English Translation)

Issued on: October 31, 2025

Implemented on: May 1, 2026

Issued by: State Administration for Market Regulation

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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 2 of GB/T 10394 "Harvesting Machinery - Forage Harvesters". GB/T 10394 has already published the following parts.

- Part 1: Terminology;
- Part 2: Technical Features and Performance;
- Part 3: Test Methods;
- Part 4: Safety and Operational Performance Requirements.

This document supersedes GB/T 10394.2-2002 "Forage Harvesters - Part 2: Technical Characteristics and Performance", and is consistent with GB/T 10394.2-Compared to 2002, aside from structural adjustments and editorial changes, the main technical changes are as follows.

- a) Added terms and definitions (see Chapter 3);
- b) The maximum fuel capacity in the fuel tank during transport has been changed (see 4.2.1, 3.2.1 in the 2002 edition);
- c) Changed the maximum fuel capacity and required tire information for determining the height and throwing height of the feed harvester.
(See 4.2.4, 4.2.5, and 3.2.4 and 3.2.5 in the 2002 edition);
- d) The standards for classifying and classifying the power take-off shaft and three-point

suspension device of suspended or towed feed harvesters have been changed.

(See 4.2.10, 3.2.10 in the 2002 edition);

e) The recording requirements for the cutting frequency and stroke of the oscillating shear cutter have been changed (see 4.2.14, 3.2.14 in the 2002 version);

f) The calculation requirements for whole grain content or whole corn kernel content have been changed (see 4.3.2, 2002 version 3.3.2).

This document is modified to adopt ISO 8909-2:2021 "Harvesting machinery - Feed harvesters - Part 2: Technical characteristics and performance".

The technical differences between this document and ISO 8909-2:2021, and the reasons therefor, are as follows.

---The scope of application has been expanded (see Chapter 1);

---ISO 8909-1 (see 4.1.1, 4.2.6) has been replaced with the normatively referenced GB/T 10394.1-2025 to adapt to my country's technical standards.

Technical conditions;

---ISO 8909-3:2021 (see 4.1.2, 4.1.5, 4.2.2, 4.2.3) has been replaced by the normatively referenced GB/T 10394.3-2025.

4.2.4, 4.2.5, 4.2.9, 4.2.13, 4.2.14);

---ISO 789-3 (see 4.2.8, 4.2.9) has been replaced with the normatively referenced GB/T 3871.5 to adapt to my country's technical conditions;

---ISO 500-1 has been replaced by the normatively referenced GB/T 1592.1, and ISO 730 has been replaced by GB/T 1593 (see 4.2.10).

Adapt to my country's technological conditions.

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).

Introduction

GB/T 10394 "Harvesting Machinery - Forage Harvesters" specifies the design, manufacture, and use of self-propelled, suspended, and towed forage harvesters.

The safety requirements, key technical features, operating performance, and work performance requirements, along with corresponding test methods and related terminology,

are comprised of the following sections.

constitute.

---Part 1: Terminology. The purpose is to define the terminology and definitions for feed harvesters and their components.

---Part 2: Technical Characteristics and Performance. The purpose is to specify the performance, dimensions, and functional components of the approved feed harvester.

The methods and requirements.

---Part 3: Test Methods. The purpose is to describe the test methods for evaluating the functions and performance of feed harvesters.

---Part 4: Safety and Operational Performance Requirements. The purpose is to specify the safety requirements and operational performance indicators for feed harvesters, and to provide...

Test methods not described in other parts of GB/T 10394.

Harvesting machinery feed harvester Part 2: Technical Features and Performance

1 Scope

This document specifies the performance, dimensions (defined in GB/T 10394.1-2025), and functional components of certified feed harvesters.

The methods and requirements adopted. Comparing the performance of feed harvesters through comparative tests is also permitted under this document.

This document applies to the design, manufacture, inspection, and testing of feed harvesters.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included.

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/T 1592.1 Agricultural tractors with rear-mounted power take-off shafts, types 1, 2, 3 and 4 - Part 1: General requirements, safety requirements, protection Cover dimensions and clearance range (GB/T 1592.1-2016, ISO 500-1:2014, MOD) GB/T 1593 Rear-mounted three-point suspension devices for agricultural wheeled tractors, categorized as 0, 1N, 1, 2N, 2, 3N, 3, 4N and 4.

(GB/T 1593-2015, ISO 730:2009, MOD) GB/T 3871.5 Test Procedures for Agricultural Tractors Part 5: Diameter of Steering Circle and Passing Circle (GB/T 3871.5-2022) ISO 789-3:2015, MOD) GB/T 8095 Harvesting Machinery - Dimensions of Forage Harvesters (GB/T 8095-2005, ISO 5715:1983, IDT) GB/T 10394.1-2025 Harvesting Machinery - Forage Harvesters - Part 1: Terminology (ISO 8909-1:2021, IDT) GB/T 10394.3-2025 Harvesting machinery - Forage harvesters - Part 3: Test methods (ISO 8909-3:2021, MOD)

3 Terms and Definitions

The terms and definitions defined in GB/T 10394.1-2025 apply to this document.

4.1 General Requirements

4.1.1

All dimensions, performance, and related feed specifications of feed harvesters as defined in Chapters 5 and 7 of GB/T 10394.1-2025.

Harvesters and their components shall be verified in accordance with the definitions in GB/T 10394.1-2025 and all the requirements of this document.

4.1.2

The dimensions of the wheel hubs, rims, and tires of the feed harvester, as well as the position of the axles, shall be recorded in Chapter 7 of GB/T 10394.3-2025.

The test report states that the tire inflation pressure should be the working pressure recommended by the feed harvester manufacturer.

4.1.3

To measure the dimensions of the feed harvester, the machine should be parked on a hard, level surface.

4.1.4

If the self-propelled feed harvester has a material bin, the material bin should be emptied.

4.1.5

The following data for the feed harvester shall be recorded together with the test report in Chapter 7 of GB/T 10394.3-2025.

a) The type of cutter used.