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

GB/T 10395.5-2021

**Agricultural machinery - Safety - Part 5: Power-driven
soil-working machines**

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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 of Standardization Documents"

drafted:

This document is part 5 of GB/T 10395: GB/T 10395 has released the following parts:

- Agricultural and Forestry Machinery Safety Part 1: General;
- Safety of agricultural and forestry machinery - Part 2: Dump trailers;
- Safety of agricultural machinery - Part 3: Solid fertilizer spreaders;
- Agricultural and Forestry Machinery Safety Part 4: Forestry winches;
- Safety of agricultural machinery - Part 5: Driven tillage machinery;
- Safety of agricultural and forestry machinery - Part 6: Plant protection machinery;
- Safety of agricultural and forestry machinery - Part 7: Combine harvesters, fodder and cotton harvesters;
- Agricultural and Forestry Machinery Safety Part 8: Drainage and irrigation pumps and pump units;
- Safety of agricultural and forestry machinery - Part 9: Seeding machinery;
- Safety of agricultural and forestry machinery - Part 10: Hand-held (miniature) cultivators;
- Safety of agricultural and forestry machinery - Part 12: Portable powered hedge trimmers;
- Safety of agricultural and forestry machinery - Part 14: Power pulverizers and shredders;
- Safety of agricultural and forestry machinery - Part 15: Power trimmer with rigid cutting device;

- Agricultural and Forestry Machinery Safety Part 16: Potato Harvesters;
- Safety of agricultural and forestry machinery - Part 17: Sugar beet harvesters;
- Safety of agricultural and forestry machinery - Part 18: Hose traction winch sprinkler;
- Agricultural and forestry machinery safety - Part 19: Center pivot and translation sprinklers;
- Safety of agricultural and forestry machinery - Part 20: Pick-up balers;
- Safety of agricultural and forestry machinery - Part 21: Power tedders and rakes;
- Safety of agricultural and forestry machinery - Part 22: Front loading device;
- Safety of agricultural and forestry machinery - Part 23: Fixed circular silage unloader;
- Agricultural and Forestry Machinery Safety Part 24: Liquid Fertilizer Fertilizer Vehicle;
- Safety of agricultural and forestry machinery - Part 25: Rotary disc mowers, drum mowers and throw-blade mowers;
- Agricultural and Forestry Machinery Safety Part 26: Large Rotary Lawn Mowers;
- Agricultural and Forestry Machinery Safety Part 27: Wrapping Machines;

This document replaces GB 10395:5-2013 "Safety of Agriculture and Forestry Machinery - Part 5: Driven Farming Machinery": with GB 10395:5-

Compared with:2013, except for structural adjustment and editorial changes, the main technical changes are as follows:

- a) Added and reduced design noise requirements (see 4:2);
- b) The protection requirements for tillage implements have been changed (see 4:3, 4:3 of the:2013 edition);
- c) Changed the list of major hazards (see Appendix A, Appendix A of the:2013 edition);
- d) Changed the technical content of Figure 2 to Figure 6:

This document uses the translation method equivalent to ISO 4254-5:2018 "Safety of Agricultural Machinery - Part 5: Driven Farming Machinery":

The Chinese documents that have a consistent correspondence with the international documents normatively cited in this document are as follows:

---GB/T 15706-2012 General Principles of Mechanical Safety Design Risk Assessment and Risk Reduction (ISO 12100:2010, IDT)

---GB 10395:1-2009 Agricultural and Forestry Machinery Safety Part 1: General (ISO 4254-1:2008, MOD)

Please note that some content of this document may be patented: The issuing agency of this document assumes no responsibility for identifying patents:

Introduction

Compared with other industrial products, agricultural machinery products have strong specificity, and the development, design and testing of agricultural machinery products are affected by crop production:

Due to the constraints of long-term, seasonal and climatic conditions, product performance design needs to consider the requirements of natural conditions, crop requirements and user technical level:

beg: Due to the harsh use conditions of agricultural machinery, its products need to have a high degree of adaptability and safety: The agricultural machinery owned by my country is in the world

It is the largest in number, with a wide variety of varieties and different functions, including farming, fertilization, field management, irrigation and plant protection, harvesting, and processing of agricultural and sideline products:

Its user group is also the largest group in the world: In the face of so many users, there is no reason not to formulate my country's agricultural machinery safety standards:

to protect their interests and ensure their safety: When the developed countries in the world determine whether to formulate technical standards for a certain type of product, the first

The consideration is whether such products are related to the safety and health of a large number of users:

According to the characteristics of agricultural machinery, GB/T 10395 is divided into the following parts:

- Agricultural and Forestry Machinery Safety Part 1: General;
- Safety of agricultural and forestry machinery - Part 2: Dump trailers;
- Safety of agricultural machinery - Part 3: Solid fertilizer spreaders;
- Agricultural and Forestry Machinery Safety Part 4: Forestry winches;
- Safety of agricultural machinery - Part 5: Driven tillage machinery;
- Safety of agricultural and forestry machinery - Part 6: Plant protection machinery;
- Safety of agricultural and forestry machinery - Part 7: Combine harvesters, fodder and cotton harvesters;
- Agricultural and Forestry Machinery Safety Part 8: Drainage and irrigation pumps and pump units;

- Safety of agricultural and forestry machinery - Part 9: Seeding machinery;
- Safety of agricultural and forestry machinery - Part 10: Hand-held (miniature) cultivators;
- Safety of agricultural and forestry machinery - Part 12: Portable powered hedge trimmers;
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- Agricultural and Forestry Machinery Safety Part 24: Liquid Fertilizer Fertilizer Vehicle;
- Safety of agricultural and forestry machinery - Part 25: Rotary disc mowers, drum mowers and throw-blade mowers;
- Agricultural and Forestry Machinery Safety Part 26: Large Rotary Lawn Mowers;
- Agricultural and Forestry Machinery Safety Part 27: Wrapping Machines;

This document is part 5 of GB/T 10395, this document is related to the following enterprises, institutions, individuals and related machinery safety interests

Related organizations and groups:

- Machinery manufacturing enterprises (small and medium-sized enterprises);
- Health and safety agencies (regulatory agencies, accident prevention agencies, market surveillance agencies), etc:

Others who may be affected by the above-mentioned stakeholders achieving a level of machinery safety through this document:

- Machinery users/employers (large, medium and small enterprises);
- Machinery users/employees (e:g: trade unions, persons or organisations with special