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

GB 10395.1-2009

**Agricultural and forestry machinery - Safety - Part 1: General
requirements**

农林机械 安全 第1部分：总则

(English Translation)

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Foreword

All technical content of this Part is compulsory.

GB 10395, Agricultural and Forestry Machinery - Safety, is divided into the following parts.

- Part 1. General Requirements
- Part 2. Trailers with Tipping Body
- Part 3. Manure Spreaders
- Part 4. Forestry Winches
- Part 5. Power-driven Soil-working Machines
- Part 6. Equipment for Crop Protection
- Part 7. Combine harvesters, Forage and Cotton Harvesters
- Part 8. Irrigation Pumps and Machines
- Part 9. Equipment for Sowing, Planting and Distributing Fertilizer
- Part 10. Walk-behind Powered Rotary Tillers
- Part 11. Powered Lawn Mower
- Part 12. Portable Powered Hedge-Trimmers
- Part 13. Powered Walk-behind and Hand-held Lawn Trimmers and Lawn Edge Trimmers
- Part 14. Powered Shredders and Chippers
- Part 15. Powered Edgers with rigid cutting means

- Part 16. Potato Harvesters
- Part 17. Beet Harvesters
- Part 18. Reel Machines for Irrigation
- Part 19. Centre Pivot and Moving Lateral Types Irrigation Machines
- Part 20. Pick-up Balers

Introduction

The structure of safety standards in the field of machinery is as follows.

- a) Type-A standards (basic standards) give basic concepts, principle for design, and general aspects that can be applied to machinery;
- b) Type-B standards (generic safety standards) dealing with one or more safety aspect(s) or one or more type(s) of safeguards that can be used across a wide range of machinery.
temperature, noise);
pressure sensitive devices, guards);
- c) Type-C standards (machinery safety standards) dealing with detailed safety requirements for a particular machine or group of machines.

This part is a type-C standard as stated in GB 15706.1-2007.

When provisions of this type-C standard are different from those which are stated in type-A or type-B standards, the provisions of this type-C standard take precedence over the provisions of the other standards for machines that have been designed and built according to the provisions of this type-C standard.

The machinery concerned and the extent to which hazards, hazardous situations and events are covered are indicated in the scope of this Part of GB 10395. These hazards are specific to self-propelled ride-on, trailed, semi-mounted and mounted agricultural machines.

Agricultural Machinery -

Safety - Part 1. General Requirements

1 Application Scope

This part of GB 10395 specifies the general safety requirements and their verification for the design and construction of self-propelled ride-on machines and mounted, semi-mounted or trailed machines used in agriculture. In addition, it specifies the type of information on safe working practices (including residual risks) to be provided by the manufacturer.

This part deals with significant hazards (as listed in Annex A), hazardous situations and events relevant to this agricultural machinery used as intended and under the conditions foreseen by the manufacturer (see Clause 4).

This part of GB 10395 is not applicable to environmental hazards, road safety, electromagnetic compatibility, or to the power take-off (PTO) drive shaft; neither is it applicable to moving parts for power transmission except for strength requirements for guards and barriers (see 4.7), nor to vibration except in respect of declarations.

It is not applicable to hazards related to maintenance or repairs to be carried out by professional service personnel.

This part of GB 10395 is applicable to agricultural machinery, lawn and garden powered machinery.

All of the hazards dealt with by this Part of GB 10395 will not necessarily be present on a particular machine. For any machine covered by this Part of GB 10395, the provisions of the part of GB 10395 directly applicable to that type of machine, if available, take precedence over the provisions of this Part of GB 10395.

2 Normative References

The provisions in following documents become the provisions of this Part of GB10395 through reference in this Part. For dated references, the subsequent amendments (excluding corrigendum) or revisions do not apply to this Part, however, parties who reach an agreement based on this Part are encouraged to study if the latest versions of these documents are applicable. For undated references, the latest edition of the referenced document applies.

GB/T 3766, Hydraulic Fluid Power - General Rules Relating to Systems (GB/T 3766-2001, eqv ISO 4413.1998)

GB/T 3767-1996, Acoustics - Determination of Sound Power Levels of Noise Sources Using Sound Pressure - Engineering Method in an Essentially Free Field over a Reflecting Plane (eqv ISO 3744.1994)

GB/T 4269.1, Tractors, Machinery for Agriculture and Forestry, Powered Lawn and Garden Equipment - Symbols for Operator Controls and Other Displays - Part 1. Common Symbols (GB/T 4269.1-2000, idt ISO 3767-1.1991)

GB/T 4269.2, Tractors, Machinery for Agriculture and Forestry, Powered Lawn and Garden Equipment - Symbols for Operator Controls and Other Displays - Part 2. Symbols for Agricultural Tractors and Machinery (GB/T 4269.2-2000, idt ISO 3767-2.1991)

GB/T 6235, Agricultural tractors - Operator's seating accommodation - Dimensions (GB/T 6235-2004, ISO 4253.1993, MOD)

GB/T 6236, Tractors and Machinery for Agriculture and Forestry - Seat Index Point (GB/T 6236-2008, ISO 5353.1995, Earth-moving Machinery, and Tractors and Machinery for Agriculture and Forestry - Seat Index Point, MOD)

GB/T 7932, Pneumatic Fluid Power - General Rules Relating to Systems (GB/T 7932-2003, ISO 4414.1998, IDT)

GB/T 9480, Tractors, Machinery for Agriculture and Forestry, Powered Lawn and Garden Equipment - Operator's Manuals - Content and Presentation (GB/T 9480-2001, eqv ISO 3600.1996)

GB 10396, Tractors, Machinery for Agriculture and Forestry, Powered Lawn and Garden Equipment - Safety Signs and Hazard Pictorials - General Principles (GB/T 10396-2006, ISO 11684.1995, MOD)

GB/T 10910, Agricultural Wheeled Tractors and Field Machinery - Measurement of Whole-body Vibration of the Operator (GB/T 10910-2004, ISO 5008.2002, NEQ)

GB 12265.1-1997, Safety of Machinery - Safety Distances to Prevent Danger