



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

GB/T 10395.21-2021

**Agricultural and forestry machinery - Safety - Part 21: Rotary
tedders and rakes**

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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"

Drafting.

This document is part 21 of GB (GB/T)10395. GB (GB/T) 10395 has released the following parts.

---GB 10395.1 Agricultural and Forestry Machinery Safety Part 1. General;

---GB 10395.2 Agricultural and Forestry Machinery Safety Part 2. Dump Trailer;

- GB/T 10395.3 Agricultural Machinery Safety Part 3.Solid fertilizer spreaders;
- GB 10395.5 Safety of agricultural and forestry machinery Part 5.Driven tillage machinery;
- GB 10395.6 Agricultural and forestry tractors and machinery safety technical requirements Part 6.Plant protection machinery;
- GB 10395.7 Safety technical requirements for agricultural and forestry tractors and machinery Part 7.Combine harvesters, feed and cotton harvesting
- Get the chance;
- GB 10395.8 Safety technical requirements for agricultural and forestry tractors and machinery Part 8.Drainage and irrigation pumps and pump units;
- GB 10395.9 Safety of Agricultural and Forestry Machinery Part 9.Seeding Machinery;
- GB 10395.10 Agricultural and forestry tractors and machinery safety technical requirements Part 10.Hand-held mini cultivator;
- GB 10395.12 Agricultural and forestry tractors and machinery safety technical requirements Part 12.Portable power hedge trimmer;
- GB 10395.14 Safety technical requirements for agricultural and forestry tractors and machinery Part 14.Power grinders and shredders;
- GB 10395.15 Agricultural and forestry tractors and machinery safety technical requirements Part 15.Power repair with rigid cutting device
- Side machine;
- GB 10395.16 Agricultural and Forestry Machinery Safety Part 16.Potato Harvester;
- GB 10395.17 Safety of agricultural and forestry machinery Part 17.Sugar beet harvester;
- GB 10395.18 Agriculture and Forestry Machinery Safety Part 18.Hose traction winch sprinkler irrigation machine;
- GB 10395.19 Agricultural and Forestry Machinery Safety Part 19.Central pivot and translational sprinkler irrigation machine;
- GB/T 10395.20 Agriculture and Forestry Machinery Safety Part 20.Picking and Baling Machine;
- GB/T 10395.21 Agricultural and Forestry Machinery Safety Part 21.Rotary Tedders and Rakes;
- GB 10395.22 Agricultural and Forestry Machinery Safety Part 22.Front Loading Device;
- GB 10395.23 Agriculture and Forestry Machinery Safety Part 23.Stationary Circular Silo Unloader;

---GB 10395.24 Agricultural and Forestry Machinery Safety Part 24.Liquid Fertilizer Applicator;

---GB/T 10395.25 Safety of agricultural and forestry machinery Part 25.Rotary disc mowers, drum mowers and mulchers
Lawn mower;

---GB/T 10395.26 Agricultural and Forestry Machinery Safety Part 26.Large Rotary Lawn Mower;

---GB/T 10395.27 Agriculture and Forestry Machinery Safety Part 27.Film Wrapping Machine.

This document replaces GB 10395.21-2010 "Agricultural and Forestry Machinery Safety Part 21.Power Tedders and Rakes", and

Compared with GB 10395.21-2010, in addition to editorial changes, the main technical changes are as follows.

- a) The standardized objects covered by the "scope" have been changed (see Chapter 1, Chapter 1 of the.2010 edition);
- b) A chapter "Terms and Definitions" has been added (see Chapter 3);
- c) Change "Appendix A Hazard List" to "4 Major Hazard List" (see Chapter 4, Appendix A of the.2010 Edition);
- d) Noise safety requirements have been added (see 5.2);
- e) The requirements for the distance between the side protection device and the outermost movement track of the tooth and tooth arm have been changed, and the color requirements of the side protection device have been added.
Seek (see 5.3.1, 4.2 of the.2010 edition);
- f) The requirement for the rotor discontinuity protection device has been added (see 5.3.2);
- g) The requirement for the protection function provided by the fixed parts of the machine has been added (see 5.3.4);
- h) The requirement for the protective device that is scheduled to be opened frequently on the machine (2010 version 4.2) has been deleted;
- i) Figure 1 and Figure 2 are changed (see 5.3, 4.2 of the.2010 edition);
- j) The safety requirements of the operating mechanism have been added (see 5.4);
- k) The safety requirements for machine storage have been changed (see 5.5, 4.2.2 of the.2010 edition);

- l) The safety requirements for loading, unloading and transportation protection have been changed (see 5.6, 4.3 in the.2010 edition);
- m) The verification method of safety requirements and/or protective measures has been changed (see Chapter 6, 4.5 of the.2010 edition);
- n) The requirements for the preparation of the instruction manual have been added (see 7.1);
- o) The requirements for signs have been changed (see 7.2, 5.2 in the.2010 edition), and the requirements for safety and indication signs have been added (see 7.3);
- p) Added a normative appendix "Strength Test" (see Appendix B);
- q) The measures for the stability of the attachment of tractors and rotary tedders and rakes in Appendix C have been added, and the applicable safety standards in Appendix C have been deleted.

The requirements of the log example (see Appendix C, Appendix C of the.2010 edition).

This document uses the redrafting method to modify and adopt ISO 4254-10.2009
"Agricultural Machinery Safety Part 10.Rotary Tedder

And hay rake.

Compared with ISO 4254-10.2009, the structure of this document is slightly adjusted.

5.5.4, 5.5.5; delete 7.1 column o).

The technical differences between this document and ISO 4254-10.2009 and the reasons are as follows.

---Regarding normative reference documents, this document has made adjustments with technical differences to adapt to my country's technical conditions and adjustments.

The situation is collectively reflected in Chapter 2 "Normative Reference Documents", and the specific adjustments are as follows.

* Replace ISO 3864-1.2002 (see 5.3.1, 5.5) with GB 2893 modified to adopt international standards;

* Replace ISO 4254-1.2008 (see Chapter 3, Chapter 4,
5.1.2, 5.2.2, Chapter 6, 7.1, 7.3, Appendix B);

* Replace ISO 12100-1.2003 (see Chapter 3, 5.1.1) with GB/T 15706-2012, which is equivalent to the international standard;

* Replace ISO 13857.2008 (see 5.1.2) with GB/T 23821-2009 which is equivalent to adopting international standards;