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

GB/T 5668.1-1995

Replacing GB/T 5668-2008

**Rotary tiller
(English Translation)**

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces GB/T 5668-2008 "Rotary Tiller." this standard compared with GB/T 5668-2008, in addition to editorial changes outside the main technical changes are as follows.

- Modify the scope of the provisions (see Chapter 1, 2008 edition of Chapter 1);
- Added terminology (see Chapter 3);
- Modify the type, model representation (see 4.1 and Chapter 5, 2008 version 3.1 and Chapter 4);
- Modify the vegetation coverage performance index (see 6.1.1 Table 2, 2008 version 5.1.1 in Table 2);
- Modify the performance index of groundbreaking rate (see Table 1 in 6.1.1, Table 2 in 5.1.1 of 2008);
- Modify the average technical indicators of the time between failures (see 6.1.2 Table 3, 2008 version 5.1.2 in Table 3);
- Modify the security requirements (see Chapter 7, Chapter 8 of the 2008 edition);
- Modify the instructions for use (see 10.1, 2008 version 9.1);
- Removed the calculation method of soil bulk and softness (see 2008 version 7.1.3.6);
- Removed the expression of slip rate (see 2008 version 7.1.4.3);
- Modify the reliability assessment methods (see 8.1.2.1, 2008 edition of 7.2.1);
- Increased idling torque test method (see 8.3.3);
- Increasing the tightening torque of the bolt connection normative appendix (see Appendix A).

This standard is proposed by the China Machinery Industry Federation.

This standard by the National Agricultural Machinery Standardization Technical Committee (SAC/TC201).

1 Scope

This standard specifies the type of rotary tiller, the basic parameters, technical requirements, safety requirements, test methods, inspection rules, instructions, standard Log, packaging, transportation and storage.

This standard applies to tractors (except tractors) supporting horizontal dry tiller. Rotary joint part of the rotary machine can be refer to the implementation.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 2828.1 Sampling procedures for sampling inspection - Part 1. Batch inspection sampling plan retrieved by acceptance quality limit (AQL) GB/T 3098.1 fasteners mechanical properties of bolts, screws and studs GB/T 3098.2 fasteners mechanical properties of nuts GB/T 5263 tractors and mechanical and agricultural tractor output shaft joint protective cap strength and wear test and acceptance criteria GB/T 5667 Agricultural machinery production test methods GB/T 5669 Rotary knife and knife holder GB/T 9480 agriculture and forestry tractors and machinery, lawn and garden power machinery manual preparation rules Safety of agriculture and forestry machinery - Part 1. General rules of GB 10395.1-2009 Agricultural and forestry machinery safety - Part 5. Powered farming machinery GB 10396 Tractors and machinery for agriculture and forestry, lawn and garden machinery safety signs and dangerous graphics General GB/T 17126.1 Agricultural tractors and mechanical power output universal joint drive shaft and power input connecting device Part 1. Pass with manufacturing and safety requirements GB/T 17126.2 Agricultural tractors and mechanical power output universal joint drive shaft and power input connecting device Part 2. Moving Force output universal joint drive shaft specifications, various types of coupling device with power output drivetrain and power input connection device position and clearance range GB/T 24648.2 Engineering Machinery Products Reliability Assessment Index System and Fault Classification General Cleanliness of Gear Units JB/T JB/T 8574 agricultural machinery product model rules JB/T 9832.2 Tractors and machinery of agriculture and forestry - Determination of adhesion of paint films - Compression method

3 Terms and definitions

The following terms and definitions apply to this document.

Vegetation coverage Per unit area of plow covered in soil after vegetation accounted for the

proportion of surface vegetation.