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

GB/T 10395.3-2019

**Agricultural machinery -- Safety -- Part 3: Solid fertilizer
distributors**

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Foreword

GB/T 10395 "Agricultural and Forestry Machinery Safety" is divided into the following parts.

- Part 1. General;
- Part 2. Dumping trailer;
- Part 3. Solid fertilizer spreader;
- Part 5. Drive-type tillage machinery;
- Part 6. Plant protection machinery;
- Part 7. Combine harvesters, feed and cotton harvesters;
- Part 8. Drainage pumps and pump units;
- Part 9. Seeding machinery;
- Part 10. Hand-held (micro) tillage machine;
- Part 12. Portable power hedge trimmers;
- Part 13. Rear-operated and hand-held powered lawn trimmers and lawn trimmers;
- Part 14. Power shredders and shredders;
- Part 15. Power trimming machine with rigid cutting device;
- Part 16. Potato harvester;
- Part 17. Beet harvesters;
- Part 18. Hose traction winch type sprinkler;
- Part 19. Center pivot and translational sprinklers;
- Part 20. Picking up the baler;
- Part 21. Power dryers and mowers;

--- Part 22. Front loading device;

This part is the third part of GB/T 10395 "Safety of Agriculture, Forestry and Machinery".

This part is drafted in accordance with the rules given in GB/T 1.1-2009.

This part replaces GB 10395.3-2010 "Safety of Agriculture and Forestry Machinery Part 3. Manure Spreading Machine".

Compared with GB 10395.3-2010, this section is subject to the following editorial changes.

--- The original standard name "Agricultural and forestry machinery safety Part 3. Manure spread machine" was revised to "Agricultural Machinery Safety Part 3.

Solid fertilizer spreader

--- The scope of the specification of the model, increased safety requirements and compliance methods (see Chapter 1);

--- Added six terms and definitions (see Chapter 3);

--- Increased station stability and manual operation stability (see 4.2);

--- Increased protection requirements for fertilizing components (see 4.3);

--- Increased feed component protection requirements (see 4.4);

--- Increased load safety requirements (see 4.5);

--- Increased fertilizer splash protection (see 4.7);

--- Increased hook and void area requirements (see 4.10);

--- Increased noise reduction requirements (see 4.11);

--- Increased safety verification, risk reduction and protective measures requirements (see Chapter 5);

--- Increased safety requirements and methods for determining compliance.

This section uses the translation method equivalent to ISO 4254-8:2018 "Agricultural Machinery Safety Part 8. Solid Fertilizer Spreading Machine".

The documents of our country that have a consistent correspondence with the international documents referenced in this part are as follows.

---GB/T 25078.1-2010 Acoustic low-noise machines and equipment design implementation recommendations Part 1. Planning (ISO /TR 11688-1:1995, IDT).

This section has made the following editorial changes.

--- In order to be consistent with the existing standard series, the standard name was

changed to "Agricultural Machinery Safety Part 3. Solid Fertilizer Spreading Machine".

This part was proposed by the China Machinery Industry Federation.

This part is under the jurisdiction of the National Agricultural Machinery Standardization Technical Committee (SAC/TC201).

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Introduction

This section applies in particular to the following companies, institutions, individuals and related organizations concerned with the safety of machinery.

- Machinery manufacturing enterprises (small and medium enterprises);
- Health and safety agencies (regulators, accident prevention agencies, market surveillance, etc.);
- Other persons who may be affected by the level of mechanical safety achieved by the above-mentioned stakeholders through documentation;
- Machine users/employers (small, medium and large enterprises);
- Machine users/employees (such as trade unions, organizations with people with special needs);
- Service providers, such as repairs (small and medium enterprises);
- Consumer (in case the consumer intends to use the machine).

The scope of the machinery involved, as well as the hazards, hazards and events, are specified in the scope of this document. These dangers are solid fertilizers

Unique to the machine.

In ISO 4254-1, major hazards common to all agricultural machinery (self-propelled, suspended, semi-suspended and towed) were carried out.

deal with.

This part is the Class C standard specified in GB/T 15706.

When the provisions of this Class C standard are different from those in the Class A or Class B standards, the provisions of the Class C standard take precedence over

The provisions of the Class C standard specify and design other mechanical standards.

The safety standard framework structure in the mechanical field is.

--- Class A standard (basic safety standard), giving basic concepts, design principles and general characteristics applicable to all machines.

--- Class B standard (General Safety Standard), which specifies a safety feature of the machine or a type of safety protection device with a wide range of specifications.

---B1 class, specific security features such as. safety distance, surface temperature, noise standard;

---B2, safety devices such as. two-hand control device, interlock device, pressure sensitive device, protective device.

---Class C (machine safety standard), a standard that specifies detailed safety requirements for a particular machine or group of machines.

Agricultural machinery safety

Part 3. Solid fertilizer spreader

1 Scope

This part of GB/T 10395 is used in conjunction with ISO 4254-1. This section specifies the suspension used by only one operator in agriculture.

Safety requirements for type, semi-suspended, towed and self-propelled solid fertilizer spreaders and methods for determining compliance.

This section applies to full width solid fertilizer spreaders, solid fertilizer spreaders, solid fertilizer spreaders with oscillating tubes and inter-row solids

Fertilizer spreaders, as well as solid fertilizer spreaders driven by auxiliary engines, this section also specifies the safe operation that the manufacturer should provide (package)

Include legacy risk) type of information.

The significant hazards involved in this section (listed in Appendix A), hazard status and hazardous events are used with the manufacturer's foreseeable conditions.

Solid fertilizer spreader related (see Chapter 4).

This section does not apply to.

---Insufficient lighting in the work area;

--- The visibility of the driver/operator location is insufficient;

---Lack of seats;

---walking function (drive, brake, etc.);