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

GB 10395.24-2010

**Agricultural and forestry machinery -- Safety -- Part 24: Slurry
tankers**

(English Translation)

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Foreword

All technical content in this section is mandatory.

GB 10395 "Forestry Machinery Safety" is divided into.

- Part 1. General;
- Part 2. Dump trailer;
- Part 3. manure applicator;
- Part 4. Forest winch;
- Part 5. driven garden equipment;
- Part 6. Equipment for crop protection;
- Part 7. Combine harvesters, forage and cotton harvesters;
- Part 8. Irrigation pumps and crew;
- Part 9. sowing, planting and fertilizing machinery;
- Part 10. hand (micro) tiller;
- Part 11. Power lawn mower;
- Part 12. Portable powered hedge trimmers;
- Part 13. - behind and hand-held lawn trimmers and lawn edge trimmers;
- Part 14. Powered Shredders and shredding machine;
- Part 15. power with rigid cutting means trimmer;
- Part 16. Potato harvester;

- Part 17. Beet harvesters;
- Part 18. traction winch sprinkler hose;
- 19 parts. center pivot irrigation machines, and translation;
- Part 20. pickup balers;
- Part 21. Power ted machines and rakes;
- Part 22. pre-loading device;
- Part 23. Fixed round silo unloader;
- Part 24. Liquid manure fertilization car;

This section is GB 10395 "Agricultural and forestry machinery safety" Part 24, modify the use of EN707.1999 "Agricultural Machinery liquid fertilizer

Fertilization bus safety "(in English).

This section according to EN707.1999 redrafted with EN707.1999 is a technical difference.

--- Cited international standards or European standards our standards, but our standard is not equivalent to international standards or European standards.

For ease of use, this section of the EN707.1999 made the following editorial changes.

- a) "The European Standard" to "this Part";
- b) Remove EN707.1999 Foreword and Introduction;
- c) modify the EN707.1999 range;
- d) instead of as a decimal by decimal comma " , " . " , " ;
- e) Remove the EN707.1999 Appendix C "of the European standard EC Directive European relations."

Appendix A of this section is normative appendix, Appendix B is an informative annex.

This part is proposed by China Machinery Industry Federation.

This part of the National Standardization Technical Committee (SAC/TC201) Agricultural machinery centralized.

This section drafted by. Chinese Academy of Agricultural Mechanization Sciences.

1 Scope

GB 10395 of the provisions of this part of the design and manufacture of various types of semi-mounted, trailed and self-propelled liquid manure fertilization vehicles (hereinafter referred to as

"Fertilization car"), including pneumatic or motorized liquid fertilizer applicator or injection device security requirements and determination methods. This section also provides factory

Type should provide information for safe operation.

This section applies to semi-mounted, trailed and self-propelled liquid manure fertilization car.

This section does not consider environmental factors.

2 Normative references

The following documents contain provisions which, through reference in this Part of GB 10395, constitute provisions of this part. For dated reference documents

Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section

Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this

section.

GB 10395.1-2009 agriculture and forestry machinery - Safety - Part 1. General (ISO 4254-1.2008, MOD)

GB/T 15706.1 Safety of machinery - Basic concepts, general principles for design - Part 1. Basic terminology and methods (GB/T 15706.1-

2007, ISO 12100-1.2003, IDT)

GB/T 15706.2-2007 Safety of machinery - Basic concepts, general principles for design - Part 2. Technical principles (ISO 12100-2.

2003, IDT)

GB 23821-2009 Safety of machinery - Safety distances to prevent danger zones being reached on the lower limbs (ISO 13857.2008, IDT)

EN764 pressure equipment terminology and symbols pressure, temperature and volume

3 Terms and definitions

GB/T 15706.1 and GB/T 15706.2 and established the following terms and definitions apply to this section.

NOTE: Appendix B gives an example of FIG fertilization vehicles and their components.

3.1

Liquid manure fertilization car slurrytanker

Handling, transport and liquid fertilizer applicator machine.

3.2

Mobile liquid manure fertilization car mechanically powered slurry tanker

Perfusion and fertilizer applicator tank provided directly by the energy required to pump the machine.

3.3

Pneumatic liquid manure fertilization car pneumatically powered slurry tanker

Body perfusion and fertilizer applicator energy provided by the vacuum generated by the compressor or pneumatic machine required.

3.4

Float position floating position

In the own weight of liquid manure into the ground an injection device in position.

3.5

Weight transfer position position with weight transfer

Under its own weight and vertical downward force of the liquid manure into the ground an injection device in position.

3.6

Perfusion arm filing arm

Perfusion with tank support arm pipe.

4.1 General Requirements

Fertilization car design, this section is no danger involved should follow the principle of GB T 15706.1 /, GB/T 15706.2 requirements.

Subject to the provisions of this Part, the vehicle shall comply with GB 10395.1 fertilization and GB 23821-2009 Table 1, Table 3, Table 4 or 6

Provisions.

Note: This part of the dynamic stability of the vehicle does not provide for fertilization.

4.2.1 manually operated mechanism

Manually operated mechanism 4.2.1.1 applicator operation

Tractor or self-propelled vehicle driving position on fertilization should be able to start and stop fertilizing operations.