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#### (istoveten prEN ISO 4254-10:2005)

Agricultural machinery - Safety - Part 10: Rotary tedders and rakes (ISO/DIS 4254-10:2005)

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### EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

### DRAFT prEN ISO 4254-10

November 2005

ICS

**English Version** 

# Agricultural machinery - Safety - Part 10: Rotary tedders and rakes (ISO/DIS 4254-10:2005)

Matériel agricole - Sécurité - Partie 10: Faneuses et andaineuses rotatives (ISO/DIS 4254-10:2005)

This draft European Standard is submitted to CEN members for parallel enquiry. It has been drawn up by the Technical Committee CEN/TC 144.

If this draft becomes a European Standard, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

This draft European Standard was established by CEN in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Management Centre has the same status as the official versions.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

Ref. No. prEN ISO 4254-10:2005: E

#### Foreword

This document (prEN ISO 4254-10:2005) has been prepared by Technical Committee CEN/TC 144 "Tractors and machinery for agriculture and forestry", the secretariat of which is held by AFNOR, in collaboration with Technical Committee ISO/TC 23 "Tractors and machinery for agriculture and forestry".

This document is currently submitted to the parallel Enquiry.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

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### Agricultural machinery — Safety —

### Part 10: Rotary tedders and rakes

Matériel agricole — Sécurité —

Partie 10: Faneuses et andaineuses rotatives

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## iTeh Standards (https://standards.iteh.ai)

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This draft International Standard is a draft standard developed within the European Committee for Standardization (CEN) and processed under the CEN-lead mode of collaboration as defined in the Vienna Agreement. The document has been transmitted by CEN to ISO for circulation for ISO member body voting in parallel with CEN enquiry. Comments received from ISO member bodies, including those from non-CEN members, will be considered by the appropriate CEN technical body. Should this DIS be accepted, a final draft, established on the basis of comments received, will be submitted to a parallel two-month FDIS vote in ISO and formal vote in CEN.

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### Contents

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	2
3 Terms and definitions	2
4 List of significant hazards	3
<ul> <li>5 Safety requirements and/or measures</li></ul>	5 5 8 11
<ul> <li>6 Information for use</li> <li>6.1 Instruction handbook</li> <li>6.2 Marking</li> <li>6.3 Safety and instructional signs</li> </ul>	12 13 13
Annex A (informative) Examples of tedders and swath rakes	14
Annex B (informative) Stability of the tractor-rotary tedder and rake combination	17
Annex C (informative) Examples of pictograms	18
Annex ZA (informative) Relationship between this International Standard and the Essential Requirements of EU Directive 98/37/EC, amended by Directive 98/79/EC	
Bibliography //catalog/standards/sist/183a9e63-5495-4685-8de0-e1e99ecef1f5/sist-en-iso-4254-16	21

### Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 4254-10 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC7, *Equipment for harvesting and conservation and by Technical Committee CEN/TC 144*, *Tractors and machinery for agriculture and forestry in collaboration*.

ISO 4254 consists of the following parts, under the general title Agricultural machinery - Safety:

- Part 1: General requirements
- Part 2: Anhydrous ammonia applicators

— Part 3: Tractors

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— Part 5: Power-driven soil-working equipment

- Part 6: Equipment for crop protection
- Part 7: Combine harvesters, forage and cotton harvesters
- Part 9: Equipment for sowing, planting and distributing fertilisers
- Part 10: Rotary tedders and rakes

Part 3, *Tractors,* is to be revised under a separate number, part 4, *Forestry winches,* is to be revised and published as ISO 19472, *Machinery for forestry – Winches – Terms and definitions, performance and safety* and part 6 is to be revised and published under the title *Sprayers and liquid fertilizer distributors.* 

### Introduction

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

- a) type-A standards (basis safety standards) giving basic concepts, principle for design, and general aspects that can be applied to machinery;
- b) type-B standards (generic safety standards) dealing with one safety aspect or one type of safeguards that can be used across a wide range of machinery:
  - type-B1 standards on particular safety aspects (e.g. safety distances, surface temperature, noise);
  - type-B2 standards on safeguards (e.g. two-hands controls, interlocking devices, 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 of ISO 4254 is a type C standard as stated in ISO 12100-1.

When provisions of this type C standard are different from those which are stated in type A or 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 ISO 4254.

Significant hazards that are common to all the agricultural machines (self-propelled, mounted, semi-mounted and trailed) are dealt with in ISO 4254-1.

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# Agricultural machinery — Safety — Part 10: Rotary tedders and rakes

#### 1 Scope

This part of ISO 4254 used together with ISO 4254-1:2005, specifies the safety requirements and their verification for the design and construction of the different types of rotary tedders, rotary rakes, rotary tedder / rotary rake combinations, with one or several rotors, mounted, semi-mounted, trailed or self-propelled, with powered tines as used by one person (operator) only. In addition, it specifies the type of information on safe working practices (including residual risks) to be provided by the manufacturer.

When requirements of this standard are different from those which are stated in ISO 4254-1:2005, the requirements of this standard take precedence over the requirements of ISO 4254-1:2005 for machines that have been designed and built according to the provisions of this standard.

This part of ISO 4254 deals with all the significant hazards, hazardous situations and events excepting environmental hazards and hazards arising from road safety, electromagnetic compatibility or vibrations relevant to rotary tedders and rakes, when they are used as intended and under the conditions foreseen by the manufacturer (see Clause 4).

NOTE ISO 14982 specifies test methods and acceptance criteria for evaluating the electromagnetic compatibility of all kind of mobile agricultural machinery.

This part of ISO 4254 does not apply to:

#### SIST EN ISO 4254-10:2010

tps://stamela machines with ground driven tines; 183a9c63-5495-4685-8dc0-e1c99ccef1f5/sist-en-iso-4254-10-2010

- machines with ground wheel driven tines;
- parallel bar rakes;
- chain or endless belt type rakes;
- pedestrian controlled tedders and rakes;
- machines equipped with a pick-up device.

This part of ISO 4254 is not applicable to rotary tedders and rakes which are manufactured before the date of publication of this International Standard by ISO.