Agricultural machinery - Solid fertilizer broadcasters and full width distributors - Environmental protection is a preview senerated by the Part 1: Requirements



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NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 13739-1:2011
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ingliskeelset teksti.

This Estonian standard EVS-EN 13739-1:2011 consists of the English text of the European standard EN 13739-1:2011.

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EUROPEAN STANDARD NORME EUROPÉENNE

EUROPÄISCHE NORM

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English Version

Agricultural machinery - Solid fertilizer broadcasters and full width distributors - Environmental protection - Part 1: Requirements

Matériel agricole - Distributeurs d'engrais solides en nappe et centrifuges - Protection de l'environnement - Partie 1 : Prescriptions

Landmaschinen - Ausleger- und Wurf-Mineraldüngerstreuer - Umweltschutz - Teil 1: Anforderungen

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

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Foreword

This document (EN 13739-1:2011) has been prepared by Technical Committee CEN/TC 144 "Tractors and machinery for agriculture and forestry", the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2012, and conflicting national standards shall be withdrawn at the latest by April 2012.

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

This document supersedes EN 13739-1:2003.

This standard consists of the following parts under the general title *Agricultural machinery – Solid fertilizer* broadcasters and full width distributors – Environmental protection:

- Part 1: Requirements
- Part 2: Test methods

The following changes were introduced compared to the previous version:

— an update of the normative references.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

Introduction

The objective of this European Standard is to specify requirements for fertilizer distributors used according to the instruction handbook, so that:

- unintentional spreading of fertilizers is avoided;
- an even distribution of fertilizer with the desired application rate is achieved.

the conclude a. The will partly to the conclusion of the conclusio This European Standard does not include any direct requirements for the longitudinal distribution. The requirements for evenness of flow rate will partly cover that subject.

1 Scope

This European Standard specifies requirements for the environmental protection for design and construction of mounted, trailed and self-propelled full width solid fertilizer distributors and solid fertilizer broadcasters used in agriculture and horticulture. It also gives the requirements for the minimum content of the instruction handbook.

The standard does not apply to machines which are:

- a) combined grain and fertilizer drills; or
- b) equipment for distributing granulated pesticides; or
- c) solid fertilizer line-distributors (which are dealt with in EN 13740-1:2003 and in EN 13740-2:2003).

Personal safety aspects have not been considered in this standard; they are dealt with in EN 14017:2005+A2:2009.

If the term 'machine' is used it covers both full width distributors and broadcasters, except in the definitions.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 13739-2:2011, Agricultural machinery — Solid fertilizer broadcasters and full width distributors — Environmental protection — Part 2: Test methods

3 Terms and definitions

For the purposes of this document, the following definitions apply (see Figure 1):

3.1

solid fertilizer distributor

machine which spreads fertilizer in a continuous way on the soil surface and in the crop

3.1.1

solid full width fertilizer distributor

solid fertilizer distributor which spreads fertilizer over the whole surface and which has a working width which is roughly the same as the machine width

3.1.2

solid fertilizer broadcaster

solid fertilizer distributor which spreads fertilizer over the whole surface and which has a working width which is essentially wider than the machine width

3.1.3

solid fertilizer line-distributor

solid fertilizer distributor which spreads fertilizer in bands separated by bands without fertilizer and which has a working width which is roughly the same as the machine width