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Agricultural and forestry machinery - Environmental requirements for dusters

Táto norma obsahuje anglickú verziu európskej normy.

This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 12/25

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English Version

**Agricultural and forestry machinery - Environmental
requirements for dusters**

Matériel agricole et forestier - Exigences
environnementales relatives aux poudreuses

Land- und forstwirtschaftliche Maschinen -
Umweltanforderungen an Stäubegeräte

This European Standard was approved by CEN on 25 May 2025.

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

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EN 17744:2025 (E)

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European foreword

This document (EN 17744:2025) 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of an identical text or by endorsement, at the latest by January 2026, and conflicting national standards shall be withdrawn at the latest by January 2026.

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

This document has been prepared under a standardization request addressed to CEN by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

For the relationship with EU Legislation, see informative Annex ZA, which is an integral part of this document.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organisations 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, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

EN 17744:2025 (E)**Introduction**

The Amendment of the Machinery Directive considers also the environmental requirements of the equipment for the pesticide application (PAE).

To allow to fulfil these requirements, the harmonized standard series EN ISO 16119 has been produced. However, these standards do not include the dusters that are widely distributed in Europe and abroad.

This document defines the environmental requirements of the dusters and the methods to measure them.

It will help duster manufacturers in fulfilling the environmental requirements mentioned in the Amendment of the Machinery Directive.

This document is a type-C standard as stated in EN ISO 12100. This document is of relevance, in particular, for the following stakeholder groups representing the market players with regard to machinery safety:

- machine manufacturers (small, medium and large enterprises);
- health and safety bodies (regulators, accident prevention organizations, market surveillance, etc.).

Others can be affected by the level of machinery safety achieved with the means of the document by the above-mentioned stakeholder groups:

- machine users/employers (small, medium and large enterprises);
- machine users/employees (e.g. trade unions, organizations for people with special needs);
- service providers, e.g. for maintenance (small, medium and large enterprises);
- consumers (in case of machinery intended for use by consumers).

The above-mentioned stakeholder groups have been given the possibility to participate at the drafting process of this document. The machinery concerned and the extent to which hazards, hazardous situations or hazardous events are covered are indicated in the Scope of this document. When requirements of this type-C standard are different from those which are stated in type-A or type-B standards, the requirements of this type-C standard take precedence over the requirements of the other standards for machines that have been designed and built according to the requirements of this type-C standard.

1 Scope

This document specifies general requirements and their test methods for dusters for applying formulated products in the form of dust with regard to minimizing the potential risk of environmental contamination during use.

Hand operated portable dusters (knapsack) are not included in this document.

This document deals with all the significant environmental hazards related to the duster, namely:

- hazards due to involuntary or unnecessary application of PPP;
- hazards due to point pollution;
- hazards due to losses to other areas than the target;
- hazards due to maintenance, servicing and cleaning operations;
- hazards due to inspections, such as unavailability of means to connect measuring instruments.

This document does not deal with safety requirements for protection of the operator only.

NOTE General safety requirements to protect the operator are covered by EN ISO 4254-1.

This document is not applicable to dusters manufactured before the date of its publication.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

ISO 5681:2020, *Equipment for crop protection — Vocabulary*

ISO 9357:1990, *Equipment for crop protection — Agricultural sprayers — Tank nominal volume and filling hole diameter*

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